Canadian Forest Fire Statistics: 1988-1990

D.G. Higgins and G.S. Ramsey

Petawawa National Forestry Institute • Information Report PI-X-107E/F

Statistiques sur les incendies de forêt au Canada : 1988-1990

D.G. Higgins et G.S. Ramsey

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Forestry Canada Forêts Canada

Canada

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STATISTIQUES NATIONALES SUR LES RESSOURCES FORESTIÈRES — Ce programme fournit les renseignements biologiques, techniques et socio-économiques sur les ressources forestières du Canada. Il vise le développement des bases de données et l'établissement de nouveaux logiciels et bases de données pour aider à l'élaboration des politiques forestières. Le Programme d'inventaire forestier recueille l'information sur les forêts au niveau national, maintient le Système sur les ressources forestières canadiennes et prépare l'inventaire des forêts du Canada.

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CANADIAN FOREST FIRE STATISTICS/
STATISTIQUES SUR LES INCENDIES DE FORÊT AU CANADA

Part/Partie 1 - 1988
Part/Partie 2 - 1989
Part/Partie 3 - 1990

D.G. Higgins and/et G.S. Ramsey

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ABSTRACT

The tables presented here contain forest fire statistics for the calendar years 1988, 1989, and 1990 as reported by all Canadian forest fire control agencies. The statistical data are presented separately for each province or other major jurisdiction, and for Canada as a whole. Where possible, a comparable average value for the previous 10 years is listed beside each annual statistic.

RÉSUMÉ

Les tableaux présentés ci-après contiennent les statistiques relatives aux incendies de forêt pour les années civiles 1988, 1989 et 1990 d'après le contenu des rapports publiés par l'ensemble des organismes canadiens de lutte contre les incendies de forêt. Les données statistiques correspondant à chaque province ou à toute autre division administrative de premier plan sont présentées séparément, de même que les statistiques relatives à l'ensemble du Canada. A côté de chaque valeur dans la mesure du possible, se trouve la valeur moyenne des dix années précédentes.

ACKNOWLEDGMENT

The production of the series of Canadian Forest Fire Statistics reports would not be possible without the assistance of Mrs. Eliza Andersen. Eliza has assumed the responsibility each year for preparing the annual report for printing. To date, Eliza has typed a total of 20 such documents which include the national fire statistics for the years 1978-1990 inclusive, and for the years 1970-1976. Her significant contribution towards this annual endeavour is greatly appreciated.

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La production de la série de publications des Statistiques sur les incendies de forêts au Canada n'eût pas été possible sans l'aide précieuse de la part de Mme Eliza Andersen. Eliza assume la responsabilité de préparer ces rapports annuels pour la publication. Jusqu'ici, Eliza a dactylographié 20 de ces documents en tout, y compris les statistiques nationales pour les années 1978-1990 et pour les années 1970-1976. Pour cette raison, les auteurs veulent exprimer leur gratitude à Eliza pour sa contribution considérable qu'elle apporte chaque année aux efforts de réalisation de ces ouvrages.

CANADIAN FOREST FIRE STATISTICS/
STATISTIQUES SUR LES FEUX DE FORÊT AU CANADA

1988-1989-1990

INTRODUCTION

The Canadian forest fire statistics for the calendar years 1988, 1989 et 1990 are presented in this publication as reported by Canadian fire management agencies. Included for each jurisdiction are statistics on number of fires, area burned, values lost, fire control expenditures, and fatalities. Comparable averages for the previous 10-year period, where available, are also given for each statistic. Canadian totals are presented along with the combined totals for the provinces as well as for the Territories.

The present report deals with wildfire only, in two major categories:

A. Forest Fire Occurrence. Listed in this category are the numbers of fires and the area burned by nine Cause Classes. In corresponding order, these are:

1. *Recreation* - Fires caused by people engaged in any recreational activity, or by their equipment
2. *Resident* - Fire resulting from activities of people living in a forested or partly forested area, including agricultural areas
3. *Forest industry* - Fires caused by people or machines involved in the production of forest products
4. *Railroads* - Fires caused by any machine, employee, contractor, or passenger associated with railroad operations
5. *Other industry* - Fires caused by industrial activity other than forest industry or railroads
6. *Incendiary* - Fires started willfully for the purpose of mischief, grudge, or gain
7. *Miscellaneous* - Any fire whose cause is known but does not fit any of those listed
8. *Lightning* - No definition needed
9. *Unknown* - Fires of indeterminate cause

Also provided are tables of the number of fires and area burned by month throughout the fire season and tables of distribution of fires by size class.

INTRODUCTION

Dans ce rapport sont présentés les statistiques sur les feux de forêt pour les années civiles 1988, 1989 et 1990, fondés sur les rapports des organismes canadiens de gestion des feux de forêt. Les statistiques comprennent, pour toutes les dimensions administratives, le nombre d'incendies, la surface brûlée, la perte de valeur, les dépenses de la protection contre les incendies ainsi que les accident mortels. À fin de comparaison, les moyennes des données pour les dix années précédentes sont aussi présentées, lorsqu'elles étaient disponibles. Les totaux sur le Canada sont accompagnés des totaux combinés pour les provinces et les territoires.

Le présent rapport traite seulement des feux de friches, sous deux grands aspects :

A. Incendies de forêt. Sous cette rubrique, on donne le nombre d'incendies et la superficie incendiée selon neuf classes de cause dont voici la liste :

1. *Loisirs* - Incendies causés par des personnes qui s'adonnent à des activités récréatives, ou par leur équipement.
2. *Résidents* - Incendies attribuables à l'activité des habitants de régions entièrement ou partiellement boisées, et de régions agricoles.
3. *Industrie forestière* - Incendies causés par des employés ou des machines de l'industrie forestière.
4. *Chemins de fer* - Incendies causés par tout employé, machine, entrepreneur ou voyageur des chemins de fer.
5. *Autres industries* - Incendies causés par une industrie autre que l'industrie forestière ou les chemins de fer.
6. *Incendiaires* - Incendies allumés intentionnellement par méchanceté, par rancune ou pour le profit.
7. *Divers* - Incendies dont la cause est connue, mais qui n'entrent pas dans les classes déjà mentionnées.
8. *Foudre* - Aucune définition nécessaire.
9. *Cause inconnue* - Incendies dont la cause n'est pas déterminée.

B. Forest Fire Control Costs and Losses. These are presented in three classes.

1. Budgeted or overhead costs
2. Direct fire-fighting costs
3. Losses, as monetary equivalent of values destroyed for the years 1984 and 1985.

Because of differences in administrative and accounting procedures, direct comparisons between provinces and other jurisdictions are difficult and potentially misleading. Also, no inflation factor has been applied in the calculation of 10-year averages. The function of these data is to show the order of magnitude of forest fire control expenditures and monetary losses in Canada, as well as to provide a record of the annual trend. The values are the best available, but their limitations (due to varying reporting procedures) should be recognized.

Appendix 1 gives statistics for forest fire statistics by Priority Zone. In Priority 1 all fires are detected and appropriate suppression action undertaken. In Zone 2 all fires may or may not be detected and suppression action may or may not be carried out. Priority zones are delineated by the provinces on the basis of human habitation and risk to productive forests. Appendix 2 gives selected statistics for each the number of fires and the area burned for the 1991 fire season. Appendix 3 provides the total number of fires and area burned for the years 1918 to 1991 inclusive. The preliminary figures for the 1991 fire season were provided by the Canadian Interagency Forest Fire Centre.

This report and the annual series of which it is a part are possible only through the willing cooperation of the following public agencies:

Le présent rapport contient également des tableaux sur le nombre d'incendies et la superficie incendiée chaque mois ainsi que sur la répartition des incendies par classe de taille.

B. Coûts de la protection des forêts contre l'incendie et pertes occasionnées par les incendies de forêt. Ces données sont réparties en trois classes, c'est-à-dire :

1. Les frais budgétaires ou généraux.
2. Les frais directs relatifs à l'extinction des incendies.
3. Les pertes, soit l'équivalent en argent des valeurs détruites.

Étant donné la variété des méthodes administratives et comptables, les comparaisons directes entre les provinces et d'autres divisions administratives sont difficiles à faire et peuvent être trompeuses. De plus, il n'a été tenu compte d'aucun facteur d'inflation dans le calcul des moyennes décennales. Des données ont pour but d'indiquer l'ordre de grandeur des frais de la protection des forêts contre l'incendie, les pertes financières au Canada ainsi que leur tendance annuelle. Ces chiffres sont les plus fidèles possible, mais il faut en reconnaître les limites, à cause de la diversité de procédés en matière d'enregistrement.

L'Annexe 1 donnes les statistiques sur les feux de forêt pour les zones de priorité. En cas de priorité 1, tous les incendies sont décelés et des actions appropriées sont prises pour maîtriser les incendies. Dans la Zone 2, tous les incendies peuvent être décelés ou non et les actions pour maîtriser les incendies peuvent être exécutées ou non. Les zones de priorité sont toujours déterminées pour les provinces en raison de la population humaines ou des risques de danger pour les forêts productives.

L'Annexe 2 donne des statistiques sélectionnées pour le nombre d'incendies de même que pour la surface brûlée dans les saison de incendiesde et 1991.

L'Annexe 3 donne le nombre total d'incendies et le surface brûlée pour la période de 1918 à 1991.

La réalisation du présent rapport et de la série annuelle dont il fait partie n'est possible que grâce à la collaboration bienveillante des organismes publics suivants :

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E3B 5H1

Nova Scotia Department of Natural Resources
Fire Control Headquarters
P.O. Box 130
Shubenacadie, Nova Scotia
B0N 2H0

Prince Edward Island Department of Energy and Forestry
P.O. Box 2000
Charlottetown, Prince Edward Island
C1A 7N8

Newfoundland Department of Forestry & Agriculture
Forest Protection Division
Herald Building
P.o. Box 2006
Corner Brook, Newfoundland
A2H 6J8

Indian and Northern Affairs Canada
Northern Affairs Program
Forest Resources Division
Renewable Resources and Northern Environment Branch
Ottawa, Ontario
K1A 0H4

Gov't of the Northwest Territories,
Dept. of Renewable Resources
Territorial Forest Fire Centre
P.O. Box 7
Fort Smith, N.W.T.
X0E 0P0

Yukon Forest Service
200 Range Road
Whitehorse, Yukon Territory
Y1A 3V1

Canadian Parks Service
National Parks Directorate
Ottawa, Ontario
K1A 0H3

Canadian Parks Service
Western Region
No. 520, 220-4 Ave. S.E.
P.O. Box 2989, Stn. M.
Calgary, Alberta
T2P 3H8

Canadian Parks Service
Prairie and Northern Region
6th Floor, 457 Main St.
Winnipeg, Manitoba
R3B 3B8

Canadian Parks Service
Ontario Region
P.O. Box 1359, 111 Water St. E.
Cornwall, Ontario
K6H 5V4

Service canadien des parcs
Région du Québec
3 Buade
C.P. 6060
Haute-Ville, Québec
G1R 4V7

Canadian Parks Service
Atlantic Region
Historic Properties
Upper Water Street
Halifax, Nova Scotia
B3J 1S9

Canadian Interagency Forest Fire Centre
210-301 Weston Street
Winnipeg, Manitoba
R3E 3H4

Petawawa National Forestry Institute/
Institut forestier national de Petawawa
Forestry Canada/Forêts Canada
Chalk River, Ontario
K0J 1J0

The following symbols are used in the tables:/
Les symboles suivants ont été utilisés dans les tableaux :

- nil or zero/rien ou zéro
-- too small to be expressed/valeur trop petite pour exprimer
.. not available/valeur non disponible

English-French Glossary/Glossaire anglais-français

Agency priority zone tables	Tableaux des zones de priorité des organismes
Annual Average	Moyenne annuelle
Appendix	Annexe
April	Avril
Area burned (ha)	Superficie incendiée (ha)
Area burned in hectares	Superficie incendiée (hectares)
August	Août
British Columbia	Colombie-Britannique
Budgeted Costs	Dépenses budgétaires
Canadian Interagency Forest Fire Centre	Centre interservices des incendies de forêt du Canada
Cause Class	Classe de cause
CIFFC Forest Fire Statistics for Canada	Statistiques sur les incendies de forêt au Canada fournies par le CIFFC
Cutover & other areas	Parterre de coupe et autres
December	Décembre
Estimates	Estimations
Estimates provided by CIFFC	Estimations fournies par le CIFFC
Exclusive of Newfoundland	À l'exclusion de Terre-Neuve
Exclusive of the Yukon and Northwest Territories and Newfoundland	À l'exclusion du Yukon, des Territoires-du-Nord-Ouest et de Terre-Neuve
Fatalities	Pertes de vie
February	Février
Fire Control Expenditure	Frais de la protection contre l'incendie
Fire Distribution by Cause	Répartition des incendies par cause
Fire Distribution by Month	Répartition des incendies par mois
Fire Distribution by Size Class	Répartition des incendies par classe de taille
Fire Fighting Costs	Frais d'extinction des incendies
Fire Losses	Pertes dues au incendies de forêt
Fires	Incendies
Forest Fire Statistics for Alberta	Statistiques sur les incendies de forêt en Alberta
Forest Fire Statistics for British Columbia	Statistiques sur les incendies de forêt en Colombie-Britannique
Forest Fire Statistics for Canada	Statistiques sur les incendies de forêt au Canada
Forest Fire Statistics for Manitoba	Statistiques sur les incendies de forêt au Manitoba
Forest Fire Statistics for New Brunswick	Statistiques sur les incendies de forêt au Nouveau-Brunswick
Forest Fire Statistics for Newfoundland and Labrador	Statistiques sur les incendies de forêt à Terre-Neuve et au Labrador
Forest Fire Statistics for Nova Scotia	Statistiques sur les incendies de forêt en Nouvelle-Écosse
Forest Fire Statistics for Ontario	Statistiques sur les incendies de forêt en Ontario
Forest Fire Statistics for Other Federal Lands	Statistiques sur les incendies de forêt sur les autres terres fédérales
Forest Fire Statistics for Prince Edward Island	Statistiques sur les incendies de forêt à Île-du-Prince-Édouard
Forest Fire Statistics for Quebec	Statistiques sur les incendies de forêt au Québec
Forest Fire Statistics for Saskatchewan	Statistiques sur les incendies de forêt en Saskatchewan
Forest Fire Statistics for the National Parks	Statistiques sur les incendies de forêt dans les Parcs nationaux
Forest Fire Statistics for the Northwest Territories	Statistiques sur les incendies de forêt dans les Territoires-du-Nord-Ouest
Forest Fire Statistics for the Provinces	Statistiques sur les incendies de forêt dans les provinces
Forest Fire Statistics for the Territories	Statistiques sur les incendies de forêt dans les Territoires
Forest Fire Statistics for the Yukon Territory	Statistiques sur les incendies de forêt au Yukon
Forest Industry	Industrie forestière
Incendiary	Incendiaire
Intensive Protection Zone	Zone de protection intensive
January	Janvier
July	Juillet
June	Juin
Jurisdiction	Territoire
Lightning	Foudre

Limited Protection Zone	Zone de protection limitée
March	Mars
May	Mai
Merchantable Timber	Bois marchand
Miscellaneous	Divers
Month	Mois
National Parks	Parcs nationaux
New Brunswick	Nouveau-Brunswick
Newfoundland	Terre-Neuve
No fires	Aucun incendie
No fires reported	Aucun incendie signalé
Northwest Territories	Territoires-du-Nord-Ouest
Nova Scotia	Nouvelle-Écosse
November	Novembre
Number of fires	Nombre d'incendies
N.W.T.	T.-N.-O.
October	Octobre
Other Federal Lands	Autres terres fédérales
Other Industry	Autres industries
Over 200	Plus de 200
Parks Canada	Parcs Canada
P.E.I.	Î.-P.-É.
Prince Edward Island	Île-du-Prince-Édouard
Priority zone	Zone de priorité
Quebec	Québec
Railroads	Chemins de fer
Real and personal property	Dommages à la propriété
Recreation	Loisirs
Regeneration and immature	Régénération et jeune peuplement
Resident	Résident
September	Septembre
Size class (hectares)	Classe de taille (hectares)
Total area burned (hectares)	Superficie totale incendiée (hectares)
Total known man-caused	Total connu (causes humaines)
Total number of fires	Nombre total d'incendies
Totals	Totaux
Unknown	Inconnu
Value lost	Montant des pertes
Year	Année
Yearly Forest Fire Losses	Pertes annuelles dues aux incendies de forêt
Yukon Territory	Territoire du Yukon

Forest Fire Statistics/
Statistiques sur les incendies de forêt

Part/Partie 1 - 1988

FOREST FIRE STATISTICS FOR CANADA
Table 1.1 Fire Distribution by Cause

Cause Class	1988				Annual Average 1978-1987			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	1 682	16	13 018	1	1 611	17	31 026	2
Resident	1 387	13	18 014	2	1 040	11	28 386	1
Forest Industry	527	5	6 119	—	385	4	26 464	1
Railroads	413	4	9 953	—	352	4	2 591	—
Other Industry	434	4	12 925	1	439	5	32 826	2
Incendiary	605	5	25 534	2	666	7	20 922	1
Miscellaneous	921	9	27 488	2	1 011	11	95 133	5
Total known man-caused	5 969	56	113 051	8	5 504	59	237 348	12
Lightning	4 490	42	1 221 881	92	3 411	37	1 670 879	85
Unknown	282	2	1 138	—	337	4	57 495	3
Totals	10 741	100	1 336 070	100	9 252	100	1 965 722	100

Table 1.2 Fire Distribution by Size Class

Size Class (hectares)	1988				Annual Average 1978-1987			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Up to 0.1	5 260	49	364	—				
0.11-1	3 186	30	1 867	—				
1.1-10	1 463	14	7 248	1				
10.1-100	484	4	22 406	2				
100.1-1 000	212	2	83 282	6	N/A		N/A	
1 000.1-10 000	121	1	644 975	48				
10 000.1-100 000	13	—	298 853	22				
Over 100 000	2	—	277 075	21				
Totals	10 741	100	1 336 070	100	9 252	100	1 965 722	100

Table 1.3 Fire Distribution by Month

Month	1988				Annual Average 1978-1987			
	Number of fires	%	Area burned in hectares	%	Number of fires[1]	%	Area burned in hectares	%
January	36	—	55	—	8	—	55	—
February	40	—	192	—	11	—	358	—
March	72	1	466	—	70	1	646	—
April	817	8	51 421	4	960	10	90 810	5
May	2 003	19	234 247	18	1 643	18	284 066	14
June	3 077	29	409 380	31	1 576	17	561 372	29
July	2 193	20	485 954	36	2 138	23	538 306	27
August	1 452	14	145 408	11	1 930	21	403 663	20
September	590	5	2 973	—	549	6	75 180	4
October	352	3	4 859	—	254	3	10 359	1
November	80	1	1 007	—	56	1	884	—
December	28	—	108	—	6	—	23	—
Totals	10 741	100	1 336 070	100	9 252	100	1 965 722	100

[1]Prince Edward Island (51 fires) included in total only.

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[1]L'Île-du-Prince-Édouard est incluse au total seulement (51 incendies).

Table 1.4 Fire Losses

	1988		Annual Average 1978-1987	
	Area burned in hectares[2]	Value lost[3]	Area burned in hectares[4]	Value lost[5]
Merchantable Timber	249 045	$..	302 677	$..
Regeneration and Immature	390 609	..	199 630	..
Cutover & Other Areas	696 085	..	939 357	..
Real and Personal Property		3 484 189		4 523 085
Totals	1 336 070	$3 484 189	1 965 722	$4 523 085

[2]National Parks (331 ha) included in total only.
[3]Value lost. Only real and personal property reported.
[4]Saskatchewan (410 688 ha), Prince Edward Island (188 ha), National Parks (107 116 ha), and New Brunswick (6 066 ha) included in total only.
[5]Value lost. Only real and personal property reported.

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[2]Les Parcs nationaux (331 ha) sont inclus au total seulement.
[3]Perte de valeur. Les données obtenues concernent seulement les propriétés immobilières ou personnelles.
[4]La Saskatchewan (410 688 ha), l'Île-du-Prince-Édouard (188 ha), les Parcs nationaux (107 116 ha) et le Nouveau-Brunswick (6 066 ha) sont inclus au total seulement.
[5]Perte de valeur. Les données obtenues concernent seulement les propriétés immobilières ou personnelles.

1988

Table 1.5 Fire Control Expenditure[1]

Jurisdiction	Budgeted Costs	Fire Fighting Costs
British Columbia	$27 460 000	$53 000 000
Alberta	16 486 000	33 002 000
Saskatchewan	14 584 000	31 798 000
Manitoba	6 793 000	17 769 000
Ontario	45 500 000	57 100 000
Quebec	29 145 000	8 901 000
New Brunswick	585 000	2 100 000
Prince Edward Island	76 000	65 000
Nova Scotia	..	358 000
Newfoundland	..	6 091 000
Yukon Territory	5 000 000	612 000
Northwest Territories	8 160 000	6 102 000
National Parks	3 200 000	100 000
Total	$159 644 000	$273 884 000

[1]Figures rounded to nearest 1 000 dollars; interagency comparisons should not be made.

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[1]Montants arrondis au mille dollars près; il vaut mieux ne pas faire de comparaison entre les organismes.

Table 1.6 Fatalities

Jurisdiction	Total
British Columbia	-
Alberta	-
Saskatchewan	1
Manitoba	-
Ontario	-
Quebec	-
New Brunswick	-
Prince Edward Island	-
Nova Scotia	-
Newfoundland	-
Yukon Territory	-
Northwest Territories	-
National Parks	-
Total	1

FOREST FIRE STATISTICS FOR THE PROVINCES[1]

Table 2.1 Fire Distribution by Cause

Cause Class	1988				Annual Average 1978-1987			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	1 663	16	13 005	1	1 526	17	29 700	2
Resident	1 379	13	18 013	2	1 019	12	28 362	2
Forest Industry	525	5	6 119	—	383	4	25 129	2
Railroads	413	4	9 953	1	351	4	2 437	—
Other Industry	431	4	12 925	1	423	5	31 308	3
Incendiary	604	6	25 534	2	663	8	20 818	2
Miscellaneous	910	9	27 485	2	990	11	94 338	7
Total known man-caused	5 895	57	113 024	9	5 355	61	232 092	18
Lightning	4 262	41	1 149 479	91	3 130	36	1 043 795	79
Unknown	279	2	1 138	—	331	3	44 274	3
Totals	10 436	100	1 263 651	100	8 816	100	1 320 161	100

[1]Includes all areas in Canada except the Yukon and Northwest Territories.

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[1]Toutes les régions du Canada sont incluses, sauf celles du Yukon et des Territoires du Nord-Ouest.

Table 2.2 Fire Distribution by Size Class

Size Class (hectares)	1988				Annual Average 1978-1987			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Up to 0.1	5 147	49	360	—				
0.11-1	3 110	30	1 826	—				
1.1-10	1 407	14	7 012	1				
10.1-100	452	4	21 198	2				
100.1-1 000	195	2	76 830	6	N/A		N/A	
1 000.1-10 000	112	1	631 997	49				
10 000.1-100 000	11	—	247 353	20				
Over 100 000	2	—	277 075	22				
Totals	10 436	100	1 263 651	100	8 816	100	1 320 161	100

Table 2.3 Fire Distribution by Month

Month	1988				Annual Average 1978-1987			
	Number of fires	%	Area burned in hectares	%	Number of fires[2]	%	Area burned in hectares	%
January	36	—	55	—	8	—	55	—
February	40	—	192	—	11	—	358	—
March	72	1	466	—	70	1	646	—
April	808	8	51 418	4	956	11	90 794	7
May	1 986	19	234 245	19	1 606	19	272 040	20
June	2 975	28	401 688	32	1 435	16	331 711	25
July	2 049	20	422 562	34	1 962	22	254 136	19
August	1 433	14	144 084	11	1 868	21	284 710	22
September	579	6	2 967	—	535	6	74 445	6
October	349	3	4 859	—	252	3	10 359	1
November	80	1	1 007	—	56	1	884	—
December	29	—	108	—	6	—	23	—
Totals	10 436	100	1 263 651	100	8 816	100	1 320 161	100

[2]Prince Edward Island (51 fires) included in total only.

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[2]L'Île-du-Prince-Édouard (51 incendies) est incluse au total seulement.

Table 2.4 Fire Losses

	1988		Annual Average 1978-1987	
	Area burned in hectares[3]	Value lost[4]	Area burned in hectares[5]	Value lost[6]
Merchantable Timber	248 857	$..	288 888	$..
Regeneration and Immature	390 506	..	159 719	..
Cutover & Other Areas	623 957	..	347 496	..
Real and Personal Property		3 465 689		4 479 705
Totals	1 263 651	$3 465 689	1 320 161	$4 479 705

[3]National Parks (331 ha) included in total only.
[4]Value lost. Only real and personal property reported.
[5]Saskatchewan (410 688 ha), Prince Edward Island (188 ha), National Parks (107 116 ha), and New Brunswick (6 066 ha) included in total only.
[6]Value lost. Only real and personal property reported.

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[3]Les Parcs nationaux (331 ha) sont inclus au total seulement.
[4]Perte de valeur. Les données obtenues concernent seulement les propriétés immobilières ou personnelles.
[5]La Saskatchewan (410 688 ha), l'Île-du-Prince-Édouard (188 ha), les Parcs nationaux (107 116 ha) et le Nouveau Brunswick (6 066 ha) sont inclus au total seulement.
[6]Perte de valeur. Les données obtenues concernent seulement les propriétés immobilières ou personnelles.

FOREST FIRE STATISTICS FOR THE TERRITORIES

Table 3.1 Fire Distribution by Cause

Cause Class	1988				Annual Average 1978-1987			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	49	16	13	—	85	19	1 326	—
Resident	8	3	1	—	21	5	24	—
Forest Industry	2	1	—	—	2	—	1 335	—
Railroads	-	-	-	-	1	—	154	—
Other Industry	3	1	—	—	16	4	1 518	1
Incendiary	1	—	—	—	3	1	104	—
Miscellaneous	11	4	3	—	21	5	795	—
Total known man-caused	74	24	17	—	149	34	5 256	1
Lightning	228	75	72 402	100	281	65	627 084	97
Unknown	3	1	—	—	6	1	13 221	2
Totals	305	100	72 419	100	436	100	645 561	100

Table 3.2 Fire Distribution by Size Class

Size Class (hectares)	1988				Annual Average 1978-1987			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Up to 0.1	113	37	4	—				
0.11-1	76	25	41	—				
1.1-10	56	18	236	—				
10.1-100	32	10	1 208	2				
100.1-1 000	17	6	6 452	9	N/A		N/A	
1 000.1-10 000	9	3	12 978	18				
10 000.1-100 000	2	1	51 500	71				
Over 100 000	-	-	-	-				
Totals	305	100	72 419	100	436	100	645 561	100

Table 3.3 Fire Distribution by Month

Month	1988				Annual Average 1978-1987			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-
April	9	3	3	—	4	1	16	—
May	17	6	2	—	37	9	12 026	2
June	102	33	7 692	11	141	32	229 661	36
July	144	47	63 392	87	176	40	284 170	44
August	19	6	1 324	2	62	14	118 953	18
September	11	4	6	—	14	3	735	—
October	3	1	—	—	2	1	-	-
November	-	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-	-
Totals	305	100	72 419	100	436	100	645 561	100

Table 3.4 Fire Losses

	1988		Annual Average 1978-1987	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	108	$..	13 789	$..
Regeneration and Immature	103	..	39 911	..
Cutover & Other Areas	72 128	..	591 861	..
Real and Personal Property		18 500		43 380
Totals	72 419	$18 500	645 561	$43 380

FOREST FIRE STATISTICS FOR BRITISH COLUMBIA

Table 4.1 Fire Distribution by Cause

Cause Class	1988				Annual Average 1978-1987			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	332	17	1 857	16	348	13	5 793	6
Resident	105	5	859	7	109	4	1 359	1
Forest Industry	322	17	3 382	30	193	7	4 468	5
Railroads	46	2	30	—	73	3	236	—
Other Industry	138	7	1 017	9	104	4	3 332	4
Incendiary	134	7	1 544	14	175	7	4 957	5
Miscellaneous	321	17	1 828	16	356	13	17 626	18
Total known man-caused	1 398	72	10 517	92	1 358	51	37 771	39
Lightning	522	27	858	7	1 321	49	59 446	61
Unknown	31	1	107	1	10	—	161	—
Totals	1 951	100	11 482	100	2 689	100	97 378	100

Table 4.2 Fire Distribution by Size Class

Size Class (hectares)	1988				Annual Average 1978-1987			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Up to 0.1	1 133	58	70	1				
0.11-1	388	20	178	2				
1.1-10	301	15	1 136	10				
10.1-100	107	6	3 100	27				
100.1-1 000	20	1	4 413	38	N/A		N/A	
1 000.1-10 000	2	—	2 585	22				
10 000.1-100 000	-	-	-	-				
Over 100 000	-	-	-	-				
Totals	1 951	100	11 482	100	2 689	100	97 378	100

Table 4.3 Fire Distribution by Month

Month	1988				Annual Average 1978-1987			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	7	—	7	—	1	—	7	—
February	13	1	76	1	1	—	1	—
March	37	2	271	2	15	1	81	—
April	186	10	763	7	158	6	2 528	3
May	176	9	1 166	10	252	9	21 228	22
June	239	12	847	7	412	16	19 702	20
July	336	17	2 094	18	733	27	24 891	26
August	509	26	1 863	16	809	30	20 541	21
September	295	15	2 385	21	192	7	6 933	7
October	150	8	1 925	17	106	4	1 001	1
November	2	—	24	—	8	—	457	—
December	1	—	61	1	2	—	8	—
Totals	1 951	100	11 482	100	2 689	100	97 378	100

Table 4.4 Fire Losses

	1988		Annual Average 1978-1987	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	2 197	$..	36 587	$..
Regeneration and Immature	1 087	..	19 010	..
Cutover & Other Areas	8 198	..	41 781	..
Real and Personal Property		1 599 067		1 743 783
Totals	11 482	$1 599 067	97 378	$1 743 783

FOREST FIRE STATISTICS FOR ALBERTA

Table 5.1 Fire Distribution by Cause

Cause Class	1988				Annual Average 1978-1987			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	195	22	1 007	7	152	14	514	—
Resident	173	20	1 650	11	107	10	3 861	1
Forest Industry	35	4	254	2	13	1	220	—
Railroads	25	3	121	1	15	2	157	—
Other Industry	76	9	1 982	14	74	7	21 286	7
Incendiary	52	6	8 309	57	64	6	2 112	1
Miscellaneous	108	12	126	1	75	7	15 674	5
Total known man-caused	664	76	13 449	93	500	47	43 824	14
Lightning	189	22	1 005	7	548	51	261 453	86
Unknown	19	2	84	—	19	2	88	—
Totals	872	100	14 538	100	1 067	100	305 365	100

Table 5.2 Fire Distribution by Size Class

Size Class (hectares)	1988				Annual Average 1978-1987			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Up to 0.1	473	54	47	—				
0.11-1	310	36	338	3				
1.1-10	61	7	1 046	7				
10.1-100	20	2	1 780	12				
100.1-1 000	8	1	11 327	78	N/A		N/A	
1 000.1-10 000	-	-	-	-				
10 000.1-100 000	-	-	-	-				
Over 100 000	-	-	-	-				
Totals	872	100	14 538	100	1 067	100	305 365	100

Table 5.3 Fire Distribution by Month

Month	1988				Annual Average 1978-1987			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	26	3	28	—	6	1	44	—
February	22	3	108	1	6	1	248	—
March	11	1	28	—	10	1	18	—
April	154	18	1 386	10	87	8	24 194	8
May	187	21	10 172	70	196	18	40 917	13
June	97	11	445	3	242	23	93 534	31
July	66	8	342	2	227	21	23 466	8
August	45	5	13	—	177	17	71 475	23
September	68	8	187	1	48	4	51 069	17
October	98	11	802	6	45	4	347	—
November	72	8	981	7	19	2	40	—
December	26	3	46	—	4	—	13	—
Totals	872	100	14 538	100	1 067	100	305 365	100

Table 5.4 Fire Losses

	1988		Annual Average 1978-1987	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	3 456	$..	126 089	$..
Regeneration and Immature	1 694	..	80 078	..
Cutover & Other Areas	9 388	..	99 198	..
Real and Personal Property		-		..
Totals	14 538	$..	305 365	$..

FOREST FIRE STATISTICS FOR SASKATCHEWAN

Table 6.1 Fire Distribution by Cause

Cause Class	1988				Annual Average 1978-1987			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	225	21	340	—	111	18	4 592	1
Resident	150	14	1 848	2	94	15	2 914	1
Forest Industry	9	1	10	—	10	2	776	—
Railroads	3	—	2	—	2	—	25	—
Other Industry	3	—	1	—	7	1	3 843	1
Incendiary	158	15	6 250	8	66	10	5 347	1
Miscellaneous	42	4	571	1	27	4	40 369	10
Total known man-caused	590	55	9 022	11	317	50	57 866	14
Lightning	391	37	71 260	88	297	46	339 762	83
Unknown	83	8	827	1	26	4	13 060	3
Totals	1 064	100	81 109	100	639	100	410 688	100

Table 6.2 Fire Distribution by Size Class

Size Class (hectares)	1988				Annual Average 1978-1987			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Up to 0.1	437	41	10	—				
0.11-1	401	37	162	—				
1.1-10	136	13	521	1				
10.1-100	50	5	2 483	3				
100.1-1 000	30	3	9 636	12	N/A		N/A	
1 000.1-10 000	8	1	23 310	29				
10 000.1-100 000	2	—	44 987	55				
Over 100 000	-	-	-	-				
Totals	1 064	100	81 109	100	639	100	410 688	100

Table 6.3 Fire Distribution by Month

Month	1988				Annual Average 1978-1987			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	1	—	—	—	1	—	4	—
February	-	-	-	-	1	—	4	—
March	-	-	-	-	1	—	22	—
April	54	5	1 143	1	41	6	43 978	11
May	266	25	21 186	26	129	20	70 528	17
June	403	38	53 232	66	157	25	89 994	22
July	124	12	491	1	142	22	120 235	29
August	100	9	4 475	6	125	20	76 681	19
September	66	6	317	—	28	5	1 049	—
October	48	5	265	—	12	2	8 188	2
November	1	—	—	—	2	—	5	—
December	1	—	—	—	—	—	—	—
Totals	1 064	100	81 109	100	639	100	410 688	100

Table 6.4 Fire Losses

	1988		Annual Average 1978-1987	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	10 750	$..	..	$..
Regeneration and Immature	13 437	..	..	..
Cutover & Other Areas	56 922	..	..	..
Real and Personal Property		..		..
Totals	81 109	$..	410 688	$..

FOREST FIRE STATISTICS FOR MANITOBA

Table 7.1 Fire Distribution by Cause

Cause Class	1988				Annual Average 1978-1987			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	84	8	1 345	—	75	13	5 505	4
Resident	143	15	11 008	3	112	20	11 338	8
Forest Industry	7	1	430	—	5	1	320	—
Railroads	59	6	9 000	2	21	4	665	—
Other Industry	21	2	1 525	—	17	3	1 154	1
Incendiary	49	5	9 052	2	53	10	7 190	5
Miscellaneous	19	2	1 854	—	18	3	1 161	1
Total known man-caused	382	39	34 214	7	301	54	27 333	19
Lightning	600	61	451 440	93	234	42	113 986	78
Unknown	–	–	–	–	20	4	4 107	3
Totals	982	100	485 654	100	555	100	145 426	100

Table 7.2 Fire Distribution by Size Class

Size Class (hectares)	1988				Annual Average 1978-1987			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Up to 0.1	273	28	27	—				
0.11-1	424	43	482	—				
1.1-10	117	12	1 767	—				
10.1-100	69	7	7 087	2				
100.1-1 000	42	4	18 066	4	N/A		N/A	
1 000.1-10 000	57	6	458 225	94				
10 000.1-100 000	–	–	–	–				
Over 100 000	–	–	–	–				
Totals	982	100	485 654	100	555	100	145 426	100

Table 7.3 Fire Distribution by Month

Month	1988				Annual Average 1978-1987			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	2	—	20	—	—	—	—	—
February	–	–	–	–	1	—	97	—
March	1	—	56	—	—	—	418	—
April	108	11	24 273	5	57	10	16 929	12
May	83	8	22 286	5	119	22	47 333	33
June	356	36	257 471	53	90	16	38 239	26
July	241	25	121 930	25	151	27	23 745	16
August	147	15	57 750	12	98	18	9 643	7
September	27	3	26	—	31	6	8 368	6
October	16	2	1 842	—	6	1	598	—
November	1	—	—	—	2	—	56	—
December	–	–	–	–	—	—	—	—
Totals	982	100	485 654	100	555	100	145 426	100

Table 7.4 Fire Losses

	1988		Annual Average 1978-1987	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	196 001	$..	50 118	$..
Regeneration and Immature	99 929	..	31 232	..
Cutover & Other Areas	189 724	..	64 076	..
Real and Personal Property		150 000		330 800
Totals	485 654	$150 000	145 426	$330 800

FOREST FIRE STATISTICS FOR ONTARIO
Table 8.1 Fire Distribution by Cause

Cause Class	1988				Annual Average 1978-1987			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	355	11	822	—	370	25	3 488	2
Resident	249	8	1 040	—	182	12	2 730	2
Forest Industry	28	1	230	—	28	2	14 519	9
Railroads	205	6	718	—	154	10	750	1
Other Industry	51	2	200	—	31	2	616	—
Incendiary	19	—	20	—	41	3	154	—
Miscellaneous	236	7	23 034	7	155	11	15 182	9
Total known man-caused	1 143	35	26 064	7	961	65	37 439	23
Lightning	2 044	63	364 572	93	476	32	102 535	64
Unknown	73	2	70	—	35	3	20 143	13
Totals	3 260	100	390 706	100	1 472	100	160 117	100

Table 8.2 Fire Distribution by Size Class

Size Class (hectares)	1988				Annual Average 1978-1987			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Up to 0.1	1 656	51	166	—				
0.11-1	953	29	406	—				
1.1-10	425	13	1 433	—				
10.1-100	121	4	4 125	1				
100.1-1 000	67	2	22 083	7	N/A		N/A	
1 000.1-10 000	30	1	89 479	23				
10 000.1-100 000	7	—	152 389	39				
Over 100 000	1	—	120 625	30				
Totals	3 260	100	390 706	100	1 472	100	160 117	100

Table 8.3 Fire Distribution by Month

Month	1988				Annual Average 1978-1987			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	16	1	42	—
April	148	5	23 634	6	221	15	2 060	1
May	475	15	169 680	43	279	19	52 503	33
June	1 322	41	84 519	22	210	15	39 489	25
July	824	25	71 990	18	370	25	24 466	15
August	433	13	40 857	11	260	18	34 877	22
September	43	1	13	—	93	6	6 322	4
October	13	—	11	—	20	1	104	—
November	1	—	1	—	3	—	254	—
December	1	—	1	—	-	-	-	-
Totals	3 260	100	390 706	100	1 472	100	160 117	100

Table 8.4 Fire Losses

	1988		Annual Average 1978-1987	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	23 833	$..	38 021	$..
Regeneration and Immature	12 161	..	14 761	..
Cutover & Other Areas	354 712	..	107 335	..
Real and Personal Property		841 572		519 493
Totals	390 706	$841 572	160 117	$519 493

FOREST FIRE STATISTICS FOR QUEBEC
Table 9.1 Fire Distribution by Cause

Cause Class	1988				Annual Average 1978-1987			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	331	25	5 891	2	358	36	3 185	6
Resident	287	22	1 373	—	210	21	469	1
Forest Industry	87	7	1 727	1	70	7	649	1
Railroads	32	2	33	—	33	3	95	—
Other Industry	111	8	8 170	3	125	12	280	1
Incendiary	33	2	60	—	60	6	240	—
Miscellaneous	6	—	11	—	10	1	787	2
Total known man-caused	887	66	17 265	6	866	86	5 705	11
Lightning	444	34	258 457	94	139	14	45 502	89
Unknown	-	-	-	-	-	-	-	-
Totals	1 331	100	275 722	100	1 005	100	51 207	100

Table 9.2 Fire Distribution by Size Class

Size Class (hectares)	1988				Annual Average 1978-1987			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Up to 0.1	697	52	16	—				
0.11-1	319	24	148	—				
1.1-10	212	16	761	—				
10.1-100	61	5	2 065	1				
100.1-1 000	25	2	9 539	3	N/A		N/A	
1 000.1-10 000	14	1	56 766	21				
10 000.1-100 000	2	—	49 977	18				
Over 100 000	1	—	156 450	57				
Totals	1 331	100	275 722	100	1 005	100	51 207	100

Table 9.3 Fire Distribution by Month

Month	1988				Annual Average 1978-1987			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-
April	38	3	84	—	112	11	349	1
May	417	31	9 233	4	299	30	20 830	41
June	424	32	3 473	1	131	13	27 680	54
July	335	25	223 950	81	161	16	1 648	3
August	96	7	38 972	14	206	20	398	1
September	15	1	9	—	59	6	217	—
October	6	1	1	—	26	3	40	—
November	-	-	-	-	11	1	45	—
December	-	-	-	-	-	-	-	-
Totals	1 331	100	275 722	100	1 005	100	51 207	100

Table 9.4 Fire Losses

	1988		Annual Average 1978-1987	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	11 125	$..	29 366	$..
Regeneration and Immature	261 941	..	13 890	..
Cutover & Other Areas	2 656	..	7 951	..
Real and Personal Property		495 515		656 471
Totals	275 722	$495 515	51 207	$656 471

FOREST FIRE STATISTICS FOR NEW BRUNSWICK

Table 10.1 Fire Distribution by Cause

Cause Class	1988				Annual Average 1978-1987			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	48	11	1 698	85	43	9	149	2
Resident	120	27	52	3	107	21	3 325	55
Forest Industry	10	2	75	4	21	4	748	12
Railroads	28	6	42	2	22	4	234	4
Other Industry	7	2	1	—	12	2	283	5
Incendiary	46	11	52	3	51	10	332	5
Miscellaneous	127	29	24	1	173	34	690	11
Total known man-caused	386	88	1 944	98	428	84	5 761	95
Lightning	29	7	7	—	25	5	50	1
Unknown	23	5	27	2	57	11	254	4
Totals	438	100	1 978	100	511	100	6 066	100

Table 10.2 Fire Distribution by Size Class

Size Class (hectares)	1988				Annual Average 1978-1987			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Up to 0.1	251	57	9	—				
0.11-1	103	24	39	2				
1.1-10	73	17	136	7				
10.1-100	10	2	162	8				
100.1-1 000	-	-	-	-	N/A		N/A	
1 000.1-10 000	1	—	1 632	83				
10 000.1-100 000	-	-	-	-				
Over 100 000	-	-	-	-				
Totals	438	100	1 978	100	511	100	6 066	100

Table 10.3 Fire Distribution by Month

Month	1988				Annual Average 1978-1987			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	1	—	2	—
April	31	7	35	2	87	17	315	5
May	199	45	225	11	142	28	5 048	83
June	78	18	1 665	84	73	15	277	5
July	64	15	15	1	68	13	107	2
August	45	11	36	2	78	15	129	2
September	17	4	1	—	37	7	112	2
October	2	—	1	—	21	4	65	1
November	2	—	—	—	4	1	11	—
December	-	-	-	-	-	-	-	-
Totals	438	100	1 978	100	511	100	6 066	100

Table 10.4 Fire Losses

	1988		Annual Average 1978-1987	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	1 445	$..	..	$..
Regeneration and Immature	248	..	..	..
Cutover & Other Areas	285	..	..	..
Real and Personal Property		372 500		1 180 458
Totals	1 978	$372 500	6 066	$1 180 458

FOREST FIRE STATISTICS FOR PRINCE EDWARD ISLAND

Table 11.1 Fire Distribution by Cause

Cause Class	1988				Annual Average 1978-1987			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	–	–	–	–	–	–	1	—
Resident	3	14	1	6	2	4	8	4
Forest Industry	1	5	—	—	3	5	6	3
Railroads	–	–	–	–	1	2	6	3
Other Industry	5	24	1	6	6	11	32	17
Incendiary	4	19	9	53	15	29	67	36
Miscellaneous	3	14	3	17	12	24	5	3
Total known man-caused	16	76	14	82	39	75	125	66
Lightning	–	–	–	–	–	–	–	–
Unknown	5	24	3	18	12	25	63	34
Totals	21	100	17	100	51	100	188	100

Table 11.2 Fire Distribution by Size Class

Size Class (hectares)	1988				Annual Average 1978-1987			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Up to 0.1	6	29	1	6				
0.11-1	12	57	5	29				
1.1-10	3	14	11	65				
10.1-100	–	–	–	–				
100.1-1 000	–	–	–	–	N/A		N/A	
1 000.1-10 000	–	–	–	–				
10 000.1-100 000	–	–	–	–				
Over 100 000	–	–	–	–				
Totals	21	100	17	100	51	100	188	100

Table 11.3 Fire Distribution by Month

Month	1988				Annual Average 1978-1987			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	–	–	–	–	..		–	–
February	–	–	–	–	..		–	–
March	–	–	–	–	..		3	1
April	1	5	1	6	..		55	29
May	14	67	12	70	..		97	52
June	3	14	1	6	..		4	2
July	–	–	–	–	..		21	11
August	–	–	–	–	..		2	1
September	1	5	—	—	..		5	3
October	2	9	3	18	..		1	1
November	–	–	–	–	..		–	–
December	–	–	–	–	..		–	–
Totals	21	100	17	100	51	100	188	100

Table 11.4 Fire Losses

	1988		Annual Average 1978-1987	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	1	$..	..	$..
Regeneration and Immature	1	..	..	..
Cutover & Other Areas	15	..	..	..
Real and Personal Property		2 146		..
Totals	17	$2 146	188	$..

FOREST FIRE STATISTICS FOR NOVA SCOTIA
Table 12.1 Fire Distribution by Cause

Cause Class	1988				Annual Average 1978-1987			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	15	5	8	2	32	6	40	6
Resident	119	36	87	26	63	12	50	7
Forest Industry	25	7	11	3	32	6	41	6
Railroads	15	5	7	2	22	4	18	3
Other Industry	12	4	14	4	36	7	38	5
Incendiary	84	26	175	53	123	23	288	41
Miscellaneous	36	11	25	8	133	25	103	15
Total known man-caused	306	93	327	98	441	83	578	83
Lightning	3	1	1	—	5	1	4	1
Unknown	19	6	6	2	88	16	114	16
Totals	328	100	334	100	534	100	695	100

Table 12.2 Fire Distribution by Size Class

Size Class (hectares)	1988				Annual Average 1978-1987			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Up to 0.1	100	30	4	1				
0.11-1	160	49	51	15				
1.1-10	63	19	132	40				
10.1-100	5	2	147	44				
100.1-1 000	-	-	-	-	N/A		N/A	
1 000.1-10 000	-	-	-	-				
10 000.1-100 000	-	-	-	-				
Over 100 000	-	-	-	-				
Totals	328	100	334	100	534	100	695	100

Table 12.3 Fire Distribution by Month

Month	1988				Annual Average 1978-1987			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	5	2	8	2	2	—	8	1
March	23	7	111	33	27	5	60	9
April	83	25	94	28	172	32	264	38
May	111	34	91	28	130	25	266	38
June	39	12	11	3	47	9	19	3
July	20	6	2	1	47	9	17	3
August	19	6	2	1	58	11	14	2
September	13	4	5	1	34	6	20	3
October	14	4	9	3	11	2	10	1
November	1	—	1	—	6	1	16	2
December	-	-	-	-	—	—	1	—
Totals	328	100	334	100	534	100	695	100

Table 12.4 Fire Losses

	1988		Annual Average 1978-1987	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	42	$..	167	$..
Regeneration and Immature	8	..	75	..
Cutover & Other Areas	284	..	453	..
Real and Personal Property		-		..
Totals	334	$-	695	$..

FOREST FIRE STATISTICS FOR NEWFOUNDLAND & LABRADOR

Table 13.1 Fire Distribution by Cause

Cause Class	1988				Annual Average 1978-1987			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	27	23	28	2	23	13	6 430	18
Resident	30	26	95	5	30	17	179	1
Forest Industry	1	1	—	—	8	4	3 382	9
Railroads	-	-	-	-	5	3	249	1
Other Industry	7	6	14	1	9	5	442	1
Incendiary	5	4	1	—	3	3	108	—
Miscellaneous	12	10	9	—	21	12	2 645	7
Total known man-caused	82	70	147	8	100	57	13 435	37
Lightning	8	7	1 619	91	19	11	16 320	45
Unknown	26	23	14	1	57	32	6 160	18
Totals	116	100	1 780	100	176	100	35 915	100

Table 13.2 Fire Distribution by Size Class

Size Class (hectares)	1988				Annual Average 1978-1987			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Up to 0.1	70	60	5	—				
0.11-1	26	22	11	1				
1.1-10	11	10	34	2				
10.1-100	7	6	174	10				
100.1-1 000	2	2	1 556	87	N/A		N/A	
1 000.1-10 000	-	-	-	-				
10 000.1-100 000	-	-	-	-				
Over 100 000	-	-	-	-				
Totals	116	100	1 780	100	176	100	35 915	100

Table 13.3 Fire Distribution by Month

Month	1988				Annual Average 1978-1987			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-
April	-	-	-	-	8	4	7	—
May	38	33	132	8	47	27	10 759	30
June	9	8	4	—	37	21	2 752	8
July	9	8	1 618	91	39	22	20 602	57
August	29	25	6	—	31	18	1 454	4
September	31	26	20	1	10	5	337	1
October	-	-	-	-	4	3	4	—
November	-	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-	-
Totals	116	100	1 780	100	176	100	35 915	100

Table 13.4 Fire Losses

	1988		Annual Average 1978-1987	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	7	$..	8 540	$..
Regeneration and Immature	-	..	673	..
Cutover & Other Areas	1 773	..	26 702	..
Real and Personal Property		6 000		48 700
Totals	1 780	$6 000	35 915	$48 700

FOREST FIRE STATISTICS FOR THE YUKON

Table 14.1 Fire Distribution by Cause

Cause Class	1988				Annual Average 1978-1987			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	36	31	7	—	35	25	1 116	2
Resident	6	5	1	—	8	5	9	—
Forest Industry	1	1	—	—	2	2	1 335	2
Railroads	-	-	-	-	-	-	-	-
Other Industry	3	3	—	—	9	6	26	—
Incendiary	1	1	—	—	2	2	104	—
Miscellaneous	6	5	1	—	12	8	257	—
Total known man-caused	53	46	9	—	68	48	2 847	4
Lightning	61	53	6 301	100	72	50	61 640	89
Unknown	1	1	—		3	2	4 763	7
Totals	115	100	6 310	100	143	100	69 250	100

Table 14.2 Fire Distribution by Size Class

Size Class (hectares)	1988				Annual Average 1978-1987			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Up to 0.1	53	46	1	—				
0.11-1	24	21	14	—				
1.1-10	18	16	83	1				
10.1-100	13	11	542	9				
100.1-1 000	4	3	1 570	25	N/A		N/A	
1 000.1-10 000	3	3	4 100	65				
10 000.1-100 000	-	-	-	-				
Over 100 000	-	-	-	-				
Totals	115	100	6 310	100	143	100	69 250	100

Table 14.3 Fire Distribution by Month

Month	1988				Annual Average 1978-1987			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-
April	8	7	—	—	2	1	9	—
May	13	11	1	—	16	11	8 132	12
June	43	37	4 194	66	54	38	19 566	28
July	32	28	2 109	34	49	34	32 192	46
August	9	8	—	—	16	12	9 024	13
September	9	8	6	—	5	3	327	1
October	1	1	—	—	1	1	—	—
November	-	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-	-
Totals	115	100	6 310	100	143	100	69 250	100

Table 14.4 Fire Losses

	1988		Annual Average 1978-1987	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	185	$..	10 772	$..
Regeneration and Immature	103	..	12 384	..
Cutover & Other Areas	6 022	..	46 094	..
Real and Personal Property		-		880
Totals	6 310	$-	69 250	$880

FOREST FIRE STATISTICS FOR THE NORTHWEST TERRITORIES

Table 15.1 Fire Distribution by Cause

Cause Class	1988				Annual Average 1978-1987			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	13	7	6	—	50	17	211	—
Resident	2	1	—	—	13	4	15	—
Forest Industry	1	1	—	—	-	-	-	—
Railroads	-	-	-	-	1	—	153	—
Other Industry	-	-	-	-	7	3	1 492	—
Incendiary	-	-	-	-	1	—	—	—
Miscellaneous	5	2	2	—	9	3	538	—
Total known man-caused	21	11	8	—	81	27	2 409	—
Lightning	167	88	66 101	100	209	72	565 444	98
Unknown	2	1	—	—	3	1	8 458	2
Totals	190	100	66 109	100	293	100	576 311	100

Table 15.2 Fire Distribution by Size Class

Size Class (hectares)	1988				Annual Average 1978-1987			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Up to 0.1	60	32	3	—				
0.11-1	52	27	27	—				
1.1-10	38	20	153	—				
10.1-100	19	10	666	1				
100.1-1 000	13	7	4 882	7	N/A		N/A	
1 000.1-10 000	6	3	8 878	14				
10 000.1-100 000	2	1	51 500	78				
Over 100 000	-	-	-	-				
Totals	190	100	66 109	100	293	100	576 311	100

Table 15.3 Fire Distribution by Month

Month	1988				Annual Average 1978-1987			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-
April	1	1	3	—	2	1	7	—
May	4	2	1	—	21	7	3 894	1
June	59	31	3 498	5	87	30	210 095	36
July	112	59	61 283	93	127	43	251 978	44
August	10	5	1 324	2	46	16	109 929	19
September	2	1	—	—	9	3	408	—
October	2	1	—	—	1	—	—	—
November	-	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-	-
Totals	190	100	66 109	100	293	100	576 311	100

Table 15.4 Fire Losses

	1988		Annual Average 1978-1987	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	3	$..	3 017	$..
Regeneration and Immature	-	..	27 527	..
Cutover & Other Areas	66 106	..	545 767	..
Real and Personal Property		18 500		42 500
Totals	66 109	$18 500	576 311	$42 500

FOREST FIRE STATISTICS FOR THE NATIONAL PARKS

Table 16.1 Fire Distribution by Cause

Cause Class	1988				Annual Average 1978-1987			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	21	29	9	3	14	12	3	—
Resident	–	–	–	–	3	2	2 129	2
Forest Industry	–	–	–	–	–	–	–	–
Railroads	–	–	–	–	3	3	2	—
Other Industry	–	–	–	–	2	1	2	—
Incendiary	20	27	62	19	12	10	23	—
Miscellaneous	–	–	–	–	10	9	96	—
Total known man-caused	41	56	71	22	44	37	2 255	2
Lightning	32	44	260	78	66	57	104 737	98
Unknown	–	–	–	–	7	6	124	—
Totals	73	100	331	100	117	100	107 116	100

Table 16.2 Fire Distribution by Size Class

Size Class (hectares)	1988				Annual Average 1978-1987			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Up to 0.1	51	70	5	2				
0.11-1	14	19	6	2				
1.1-10	5	7	35	11				
10.1-100	2	3	75	22				
100.1-1 000	1	1	210	63	N/A		N/A	
1 000.1-10 000	–	–	–	–				
10 000.1-100 000	–	–	–	–				
Over 100 000	–	–	–	–				
Totals	73	100	331	100	117	100	107 116	100

Table 16.3 Fire Distribution by Month

Month	1988				Annual Average 1978-1987			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	–	–	–	–	–	–	–	–
February	–	–	–	–	–	–	–	–
March	–	–	–	–	–	–	–	–
April	5	7	5	2	13	11	115	—
May	20	27	62	19	13	11	2 531	2
June	5	7	20	6	36	31	20 021	19
July	30	41	130	39	24	21	14 939	14
August	10	14	110	33	26	23	69 496	65
September	3	4	4	1	3	2	13	—
October	–	–	–	–	1	1	1	—
November	–	–	–	–	1	—	—	—
December	–	–	–	–	–	–	–	–
Totals	73	100	331	100	117	100	107 116	100

Table 16.4 Fire Losses

	1988		Annual Average 1978-1987	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	..	$..	..	$..
Regeneration and Immature	..	..	..	..
Cutover & Other Areas	..	..	..	..
Real and Personal Property		–	..	..
Totals	331	$–	107 116	$..

Forest Fire Statistics/
Statistiques sur les incendies de forêt

Part/Partie 2 - 1989

FOREST FIRE STATISTICS FOR CANADA
Table 1.1 Fire Distribution by Cause

Cause Class	1989				Annual Average 1979-1988			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	1 494	12	52 807	1	1 614	17	31 378	2
Resident	1 429	12	515 855	6	1 099	12	29 430	1
Forest Industry	507	4	45 768	1	406	4	26 387	1
Railroads	244	2	722	—	351	4	3 462	—
Other Industry	422	4	53 689	1	438	5	32 979	2
Incendiary	619	5	68 887	1	678	7	23 101	1
Miscellaneous	895	7	11 340	—	968	10	96 971	5
Total known man-caused	5 610	46	749 068	10	5 554	59	243 710	12
Lightning	6 277	52	6 788 619	90	3 639	38	1 769 261	85
Unknown	298	2	21 883	—	324	3	57 442	3
Totals	12 185	100	7 559 570	100	9 517	100	2 070 414	100

Table 1.2 Fire Distribution by Size Class

Size Class (hectares)	1989				Annual Average 1979-1988			
	Number of fires[1]	%	Area burned in hectares[2]	%	Number of fires	%	Area burned in hectares	%
Up to 0.1	5 599	51	318	—				
0.11-1	2 810	26	1 489	—				
1.1-10	1 406	13	5 596	—				
10.1-100	504	5	19 030	—	N/A		N/A	
100.1-1 000	369	3	143 233	4				
1 000.1-10 000	200	2	661 752	17				
10 000.1-100 000	64	—	1 834 769	46				
Over 100 000	7	—	1 325 405	33				
Totals	12 185	100	7 559 570	100	9 517	100	2 070 414	100

[1]Manitoba (1 226 fires) included in total only.
[2]Manitoba (3 567 948 ha) included in total only.

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[1]Le Manitoba (1226 incendies) sont inclus au total seulement.
[2]Le Manitoba (3 567 948 ha) sont inclus au total seulement.

Table 1.3 Fire Distribution by Month

Month	1989				Annual Average 1979-1988			
	Number of fires	%	Area burned in hectares	%	Number of fires[3]	%	Area burned in hectares	%
January	20	—	76	—	12	—	54	—
February	20	—	250	—	15	—	379	—
March	37	—	211	—	72	1	672	—
April	1 153	10	20 570	—	994	10	95 419	4
May	1 436	12	676 677	9	1 688	18	305 017	15
June	1 439	12	1 565 109	21	1 738	18	585 406	28
July	4 990	41	4 677 919	62	2 196	23	579 875	28
August	2 094	17	607 919	8	1 857	20	417 036	20
September	679	6	8 100	—	567	6	74 998	4
October	291	2	2 526	—	267	3	10 660	1
November	19	—	204	—	53	1	865	—
December	7	—	9	-	5	—	33	—
Totals	12 185	100	7 559 570	100	9 517	100	2 070 414	100

[3]Prince Edward Island (53 fires) included in total only.

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[3]L'Île-du-Prince-Édouard (53 incendies) est incluse au total seulement.

Table 1.4 Fire Losses

	1989		Annual Average 1979-1988	
	Area burned in hectares[4]	Value lost[5]	Area burned in hectares[6]	Value lost[7]
Merchantable Timber	1 080 498	$..	322 250	$..
Regeneration and Immature	2 796 860	..	235 636	..
Cutover & Other Areas	3 681 378	..	990 207	..
Real and Personal Property		6 723 661		4 557 482
Totals	7 559 570	$6 723 661	2 070 414	$4 557 482

[4]National Parks (834 ha) included in total only.
[5]Value lost. Only real and personal property reported.
[6]Saskatchewan (409 532 ha), New Brunswick (6 000 ha), Prince Edward Island (170 ha) and National Parks (106 619 ha) included in total only.
[7]Value lost. Only real and personal property reported.

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[4]Les Parcs nationaux (834 ha) sont inclus au total seulement.
[5]Perte de valeur. Les données obtenues concernent seulement les propriétés immobilières ou personnelles.
[6]La Saskatchewan (409 532 ha), le Nouveau-Brunswick (6000 ha), l'Île-du-Prince-Édouard (170 ha) et les Parcs nationaux (106 619 ha) sont inclus au total seulement.
[7]Perte de valeur. Les données obtenues concernent seulement les propriétés immobilières ou personnelles.

1989

Table 1.5 Fire Control Expenditure[1]

Jurisdiction	Budgeted Costs	Fire Fighting Costs
British Columbia	$27 460 000	$64 000 000
Alberta	19 227 000	22 397 000
Saskatchewan	14 532 000	42 953 000
Manitoba	9 500 000	63 500 000
Ontario	31 100 000	45 400 000
Quebec	30 019 000	8 912 000
New Brunswick	615 000	1 200 000
Prince Edward Island	90 000	81 000
Nova Scotia	..	443 000
Newfoundland	2 234 000	7 055 000[2]
Yukon Territory	5 800 000	7 000 000
Northwest Territories	8 312 000	16 750 000
National Parks	3 200 000	500 000
Total	$152 089 000	$280 191 000

[1]Figures rounded to nearest 1 000 dollars; interagency comparisons should not be made.

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[1]Montants arrondis au mille dollars près. Il vaut mieux ne pas faire de comparaison entre les organismes.

Table 1.6 Fatalities

Jurisdiction	Total
British Columbia	-
Alberta	-
Saskatchewan	1
Manitoba	-
Ontario	-
Quebec	-
New Brunswick	-
Prince Edward Island	-
Nova Scotia	-
Newfoundland	-
Yukon Territory	-
Northwest Territories	-
National Parks	-
Total	1

FOREST FIRE STATISTICS FOR THE PROVINCES[1]

Table 2.1 Fire Distribution by Cause

Cause Class	1989				Annual Average 1979-1988			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	1 397	12	50 235	1	1 531	17	30 101	2
Resident	1 409	12	515 839	7	1 080	12	29 406	2
Forest Industry	506	5	45 768	1	404	4	25 052	2
Railroads	244	2	722	—	350	4	3 311	—
Other Industry	415	4	53 681	1	423	5	31 463	2
Incendiary	615	5	68 885	1	675	7	23 006	2
Miscellaneous	873	8	9 336	—	947	10	96 548	7
Total known man-caused	5 459	48	744 466	11	5 410	59	238 887	17
Lightning	5 577	49	5 887 304	89	3 350	37	1 143 143	80
Unknown	292	3	21 868	—	319	4	44 224	3
Totals	11 328	100	6 653 638	100	9 079	100	1 426 254	100

[1]Includes all areas in Canada except the Yukon and the Northwest Territories.

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[1]Toutes les régions du Canada sont incluses, sauf celles du Yukon et des Territoires du Nord-Ouest.

Table 2.2 Fire Distribution by Size Class

Size Class (hectares)	1989				Annual Average 1979-1988			
	Number of fires[2]	%	Area burned in hectares[3]	%	Number of fires	%	Area burned in hectares	%
Up to 0.1	5 400	54	339	—				
0.11-1	2 636	26	1 382	—				
1.1-10	1 218	12	4 705	—				
10.1-100	421	4	15 459	—	N/A		N/A	
100.1-1 000	257	3	97 491	3				
1 000.1-10 000	120	1	360 026	12				
10 000.1-100 000	43	—	1 280 883	42				
Over 100 000	7	—	1 325 405	43				
Totals	11 328	100	6 653 638	100	9 079	100	1 426 254	100

[2]Manitoba (1 226 fires) included in total only.
[3]Manitoba (3 567 948 ha) included in total only.

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[2]Le Manitoba (1226 incendies) est inclus au total seulement.
[3]Le Manitoba (3 567 948 ha) est inclus au total seulement.

Table 2.3 Fire Distribution by Month

Month	1989				Annual Average 1979-1988			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	20	—	76	—	12	—	54	—
February	20	—	250	—	15	—	379	—
March	37	—	211	—	72	1	672	—
April	1 142	10	20 567	—	989	11	95 411	7
May	1 414	12	676 659	10	1 653	18	293 001	21
June	1 356	12	1 552 285	23	1 598	18	361 709	25
July	4 607	41	4 016 804	60	2 011	22	298 348	21
August	1 775	126	380 688	7	1 799	20	298 348	21
September	641	6	3 360	—	553	6	74 285	5
October	290	3	2 525	—	266	3	10 660	1
November	19	—	204	—	53	1	865	—
December	7	—	9	—	5	—	33	—
Totals	11 328	100	6 653 638	100	9 079	100	1 426 254	100

[4]Prince Edward Island (53 fires) included in total only.

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[4]L'Île-du-Prince-Édouard (53 incendies) est incluse au total seulement.

Table 2.4 Fire Losses

	1989		Annual Average 1979-1988	
	Area burned in hectares[5]	Value lost[6]	Area burned in hectares[7]	Value lost[8]
Merchantable Timber	1 066 706	$..	308 497	$..
Regeneration and Immature	2 740 213	..	195 883	..
Cutover & Other Areas	2 845 884	..	399 553	..
Real and Personal Property		6 723 661		4 551 832
Totals	6 653 637	$6 723 661	1 426 254	$4 551 832

[5]National Parks (834 ha) included in total only.
[6]Value lost. Only real and personal property reported.
[7]Saskatchewan (409 532 ha), New Brunswick (6 000 ha), Prince Edward Island (170 ha) and National Parks (106 619 ha) included in total only.
[8]Value lost. Only real and personal property reported.

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[5]Les Parcs nationaux (834 ha) sont inclus au total seulement.
[6]Perte de valeur. Les données obtenues concernent seulement les propriétés immobilières ou personnelles.
[7]La Saskatchewan (409 532 ha), le Nouveau-Brunswick (6000 ha), l'Île-du-Prince-Édouard (170 ha) et les Parcs nationaux (106 619 ha) sont inclus au total seulement.
[8]Perte de valeur. Les données obtenues concernent seulement les propriétés immobilières ou personnelles.

FOREST FIRE STATISTICS FOR THE TERRITORIES

Table 3.1 Fire Distribution by Cause

Cause Class	1989				Annual Average 1979-1988			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	97	11	2 572	1	83	19	1 278	—
Resident	20	2	16	—	19	4	24	—
Forest Industry	1	—	—	—	2	1	1 335	—
Railroads	-	-	-	-	1	—	151	—
Other Industry	7	1	8	—	15	3	1 516	1
Incendiary	4	—	2	—	3	1	95	—
Miscellaneous	22	3	2 004	—	21	5	423	—
Total known man-caused	151	17	4 602	1	144	33	4 823	1
Lightning	700	82	901 315	99	289	66	626 119	97
Unknown	6	1	15	—	5	1	13 218	2
Totals	857	100	905 932	100	438	100	644 160	100

Table 3.2 Fire Distribution by Size Class

Size Class (hectares)	1989				Annual Average 1979-1988			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Up to 0.1	199	23	9	—				
0.11-1	174	20	107	—				
1.1-10	188	22	891	—				
10.1-100	83	10	3 571	—	N/A		N/A	
100.1-1 000	112	13	45 742	5				
1 000.1-10 000	80	9	301 726	34				
10 000.1-100 000	21	3	553 886	61				
Over 100 000	-	-	-	-				
Totals	857	100	905 932	100	438	100	644 160	100

Table 3.3 Fire Distribution by Month

Month	1989				Annual Average 1979-1988			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-
April	11	1	3	—	5	1	8	—
May	22	3	18	—	35	8	12 016	2
June	83	10	12 824	1	140	32	223 697	35
July	383	45	661 115	73	185	43	289 038	45
August	319	37	227 231	25	58	13	118 688	18
September	38	4	4 740	1	14	3	713	—
October	1	—	1	—	1	—	--	—
November	-	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-	-
Totals	857	100	905 932	100	438	100	644 160	100

Table 3.4 Fire Losses

	1989		Annual Average 1979-1988[1]	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	13 792	$..	13 753	$..
Regeneration and Immature	56 647	..	39 753	..
Cutover & Other Areas	835 493	..	590 654	..
Real and Personal Property		-		5 650
Totals	905 932	$-	644 160	$5 650

FOREST FIRE STATISTICS FOR BRITISH COLUMBIA

Table 4.1 Fire Distribution by Cause

Cause Class	1989				Annual Average 1979-1988			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	282	8	714	3	345	13	5 521	6
Resident	179	5	698	3	110	4	1 366	1
Forest Industry	317	9	5 145	20	213	8	4 602	5
Railroads	54	1	27	—	70	3	200	—
Other Industry	195	6	1 326	5	112	4	3 427	4
Incendiary	107	3	2 374	9	175	7	5 079	5
Miscellaneous	308	9	5 497	22	357	13	17 608	19
Total known man-caused	1 442	41	15 781	62	1 382	52	37 803	40
Lightning	2 027	58	7 459	29	1 259	47	55 544	60
Unknown	51	1	2 141	9	13	1	171	—
Totals	3 520	100	25 381	100	2 654	100	93 518	100

Table 4.2 Fire Distribution by Size Class

Size Class (hectares)	1989				Annual Average 1979-1988			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Up to 0.1	2 353	67	153	1				
0.11-1	627	18	291	1				
1.1-10	376	11	1 365	5				
10.1-100	124	3	3 713	15	N/A		N/A	
100.1-1 000	35	1	8 751	34				
1 000.1-10 000	5	—	11 108	44				
10 000.1-100 000	-	-	-	-				
Over 100 000	-	-	-	-				
Totals	3 520	100	25 381	100	2 654	100	93 518	100

Table 4.3 Fire Distribution by Month

Month	1989				Annual Average 1979-1988			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	13	—	17	—	16	—	1	—
February	10	—	7	—	23	—	9	—
March	22	1	154	1	179	1	93	—
April	315	9	3 458	14	1 719	6	2 591	3
May	280	8	4 694	18	2 488	100	21 184	23
June	473	13	10 742	42	3 982	15	18 597	20
July	1 509	43	3 192	13	7 015	26	21 894	23
August	589	17	1 015	4	7 671	29	20 417	22
September	241	7	2 004	8	2 182	8	7 170	8
October	67	2	97	—	1 155	4	1 134	1
November	1	—	1	—	79	—	414	—
December	-	-	-	-	19	—	14	—
Totals	3 520	100	25 381	100	2 654	100	93 518	100

Table 4.4 Fire Losses

	1989		Annual Average 1979-1988	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	9 276	$..	341 623	$..
Regeneration and Immature	1 813	..	181 909	..
Cutover & Other Areas	14 292	..	411 651	..
Real and Personal Property		1 753 555		1 810 156
Totals	25 381	$1 753 555	93 518	$1 810 156

FOREST FIRE STATISTICS FOR ALBERTA

Table 5.1 Fire Distribution by Cause

Cause Class	1989				Annual Average 1979-1988			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	55	7	2 049	32	159	15	610	—
Resident	122	16	1 672	26	119	11	3 962	2
Forest Industry	10	1	116	2	17	2	242	—
Railroads	19	2	168	2	15	1	161	—
Other Industry	41	5	193	3	76	7	21 470	7
Incendiary	40	5	1 588	25	64	6	2 865	1
Miscellaneous	42	5	118	2	80	7	15 674	5
Total known man-caused	329	41	5 906	92	530	49	44 984	15
Lightning	450	57	428	7	539	49	260 965	85
Unknown	16	2	79	1	19	2	90	—
Totals	795	100	6 411	100	1 088	100	306 039	100

Table 5.2 Fire Distribution by Size Class

Size Class (hectares)	1989				Annual Average 1979-1988			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Up to 0.1	401	50	30	1				
0.11-1	325	41	338	5				
1.1-10	47	6	586	9				
10.1-100	16	2	1 224	19	N/A		N/A	
100.1-1 000	6	1	4 233	66				
1 000.1-10 000	-	-	-	-				
10 000.1-100 000	-	-	-	-				
Over 100 000	-	-	-	-				
Totals	795	100	6 411	100	1 088	100	306 039	100

Table 5.3 Fire Distribution by Month

Month	1989				Annual Average 1979-1988			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	7	1	59	1	9	1	47	—
February	8	1	243	4	9	1	259	—
March	14	2	57	1	11	1	22	—
April	110	14	2 958	46	98	9	24 304	8
May	134	17	2 473	39	202	19	41 810	14
June	118	15	108	2	232	21	93 223	30
July	176	22	93	1	221	20	23 257	8
August	192	24	209	3	171	16	71 465	23
September	7	1	1	—	55	5	51 087	17
October	15	2	5	—	52	5	416	—
November	9	1	199	3	25	2	133	—
December	5	1	6	—	3	—	17	—
Totals	795	100	6 411	100	1 088	100	306 039	100

Table 5.4 Fire Losses

	1989		Annual Average 1979-1988	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	2 272	$..	126 217	$..
Regeneration and Immature	723	..	80 188	..
Cutover & Other Areas	3 416	..	99 634	..
Real and Personal Property		-		..
Totals	6 411	$-	306 039	$..

FOREST FIRE STATISTICS FOR SASKATCHEWAN

Table 6.1 Fire Distribution by Cause

Cause Class	1989				Annual Average 1979-1988			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	130	13	13 957	3	124	18	4 613	1
Resident	155	15	36 264	8	105	15	3 094	1
Forest Industry	7	1	16	—	10	1	777	—
Railroads	4	—	1	—	3	—	25	—
Other Industry	8	1	134	—	7	1	2 830	1
Incendiary	83	8	2 599	1	80	11	5 915	1
Miscellaneous	52	5	1 866	—	29	4	40 423	10
Total known man-caused	439	43	54 837	12	358	50	57 677	14
Lightning	520	51	398 113	84	323	46	338 741	83
Unknown	61	6	17 560	4	30	4	13 114	3
Totals	1 020	100	470 510	100	711	100	409 532	100

Table 6.2 Fire Distribution by Size Class

Size Class (hectares)	1989				Annual Average 1979-1988			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Up to 0.1	344	34	6	—				
0.11-1	338	33	151	—				
1.1-10	113	11	517	—				
10.1-100	76	8	3 364	1	N/A		N/A	
100.1-1 000	84	8	33 697	7				
1 000.1-10 000	52	5	150 519	32				
10 000.1-100 000	13	1	282 256	60				
Over 100 000	-	-	-	-				
Totals	1 020	100	470 510	100	711	100	409 532	100

Table 6.3 Fire Distribution by Month

Month	1989				Annual Average 1979-1988			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	1	—	4	—
February	1	—	—	—	1	—	4	—
March	-	-	-	-	1	—	22	—
April	42	4	182	—	46	7	44 091	11
May	175	18	60 305	13	147	21	72 575	18
June	74	7	9 136	2	188	26	87 414	21
July	463	46	376 675	80	143	20	118 995	29
August	226	22	23 934	5	131	19	77 127	19
September	25	2	217	—	35	5	1 080	—
October	12	1	58	—	16	2	8 214	2
November	-	-	-	-	2	—	5	—
December	2	—	3	—	-	-	-	-
Totals	1 020	100	470 510	100	711	100	409 532	100

Table 6.4 Fire Losses

	1989		Annual Average 1979-1988	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	27 218	$..	..	$..
Regeneration and Immature	110 186	..	..	..
Cutover & Other Areas	333 106	..	..	..
Real and Personal Property		-		..
Totals	470 510	$-	..	$..

FOREST FIRE STATISTICS FOR MANITOBA

Table 7.1 Fire Distribution by Cause

Cause Class	1989				Annual Average 1979-1988			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	80	7	22 973	1	78	13	5 623	3
Resident	200	16	475 626	13	113	18	12 097	6
Forest Industry	10	1	37 145	1	5	1	353	—
Railroads	6	—	109	0	23	4	1 546	1
Other Industry	38	3	36 839	1	19	3	1 307	1
Incendiary	131	11	61 764	2	54	9	8 015	4
Miscellaneous	48	4	308	0	18	3	1 149	1
Total known man-caused	513	42	634 764	18	310	51	30 090	16
Lightning	713	58	2 933 184	82	286	46	157 339	82
Unknown	-	-	-		19	3	4 102	2
Totals	1 226	100	3 567 948	100	615	100	191 531	100

Table 7.2 Fire Distribution by Size Class

Size Class (hectares)	1989				Annual Average 1979-1988			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Up to 0.1	..	..	..	..				
0.11-1	..	..	..	..				
1.1-10	..	..	..	..				
10.1-100	..	..	..	..	N/A		N/A	
100.1-1 000	..	..	..	..				
1 000.1-10 000	..	..	..	..				
10 000.1-100 000	..	..	..	..				
Over 100 000	..	..	..	..				
Totals	1 226	100	3 567 948	100	615	100	191 531	100

Table 7.3 Fire Distribution by Month

Month	1989				Annual Average 1979-1988			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	—	—	2	—
February	1	—	—	—	—	-	98	—
March	-	-	-	-	1	—	424	—
April	132	11	12 554	—	67	11	19 327	10
May	213	17	603 273	17	113	19	47 929	25
June	108	9	49 875	1	119	19	63 868	33
July	637	52	2 550 959	72	167	27	35 326	19
August	101	8	350 247	10	109	18	15 415	8
September	15	1	494	—	31	5	8 368	5
October	19	2	546	—	7	1	765	—
November	-	-	-	-	1	—	9	—
December	-	-	-	-	-	-	-	-
Totals	1 226	100	3 567 948	100	615	100	191 531	100

Table 7.4 Fire Losses

	1989		Annual Average 1979-1988	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	1 016 944	$..	68 646	$..
Regeneration and Immature	522 236	..	40 986	..
Cutover & Other Areas	2 028 768	..	81 899	..
Real and Personal Property		3 500 000		345 800
Totals	3 567 948	$3 500 000	191 531	$345 800

FOREST FIRE STATISTICS FOR ONTARIO
Table 8.1 Fire Distribution by Cause

Cause Class	1989				Annual Average 1979-1988			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	443	18	3 458	1	370	22	3 484	2
Resident	266	11	851	—	198	12	2 688	1
Forest Industry	46	2	1 213	—	29	2	14 515	7
Railroads	117	5	359	—	159	9	782	1
Other Industry	33	1	146	—	34	2	634	—
Incendiary	54	2	137	—	39	2	124	—
Miscellaneous	215	9	1 449	1	170	10	17 433	9
Total known man-caused	1 174	48	7 613	2	999	59	39 660	20
Lightning	1 215	50	396 223	98	663	39	138 630	70
Unknown	41	2	50	—	41	2	20 146	10
Totals	2 430	100	403 886	100	1 703	100	198 436	100

Table 8.2 Fire Distribution by Size Class

Size Class (hectares)	1989				Annual Average 1979-1988			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Up to 0.1	1 060	44	106	—				
0.11-1	758	31	338	—				
1.1-10	333	14	1 168	—				
10.1-100	126	5	4 618	1	N/A		N/A	
100.1-1 000	93	4	36 845	9				
1 000.1-10 000	50	2	156 868	39				
10 000.1-100 000	10	—	203 943	51				
Over 100 000	-	-	-	-				
Totals	2 430	100	403 886	100	1 703	100	198 436	100

Table 8.3 Fire Distribution by Month

Month	1989				Annual Average 1979-1988			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	1	—	—	—	11	1	35	—
April	213	9	734	—	209	12	4 021	2
May	227	9	5 000	1	317	19	69 314	35
June	255	10	101 951	25	315	18	47 875	24
July	1 064	44	293 395	73	440	26	31 637	16
August	350	15	845	—	301	18	38 963	20
September	198	8	208	—	93	5	6 322	3
October	117	5	1 752	1	14	1	15	—
November	5	—	1	—	3	—	254	—
December	-	-	-	-	-	-	-	-
Totals	2 430	100	403 886	100	1 703	100	198 436	100

Table 8.4 Fire Losses

	1989		Annual Average 1979-1988	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	4 776	$..	40 395	$..
Regeneration and Immature	214	..	15 941	..
Cutover & Other Areas	398 896	..	142 100	..
Real and Personal Property		448 794		591 097
Totals	403 886	$448 794	198 436	$591 097

FOREST FIRE STATISTICS FOR QUEBEC

Table 9.1 Fire Distribution by Cause

Cause Class	1989				Annual Average 1979-1988			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	298	26	389	—	351	34	3 499	4
Resident	209	18	392	—	223	22	556	1
Forest Industry	75	6	63	—	70	7	803	1
Railroads	23	2	27	—	31	3	90	—
Other Industry	61	5	60	—	111	11	1 039	2
Incendiary	22	2	12	—	58	6	184	—
Miscellaneous	6	—	1	—	9	1	768	1
Total known man-caused	694	59	944	—	853	84	6 939	9
Lightning	473	41	2 108 568	100	165	16	71 190	91
Unknown	-	-	-	-	-	-	-	-
Totals	1 167	100	2 109 512	100	1 018	100	78 129	100

Table 9.2 Fire Distribution by Size Class

Size Class (hectares)	1989				Annual Average 1979-1988			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Up to 0.1	615	53	14	—				
0.11-1	261	22	118	—				
1.1-10	189	16	658	—				
10.1-100	43	4	1 552	—	N/A		N/A	
100.1-1 000	24	2	8 675	—				
1 000.1-10 000	10	1	33 006	2				
10 000.1-100 000	18	2	740 084	35				
Over 100 000	7	—	1 325 405	63				
Totals	1 167	100	2 109 512	100	1 018	100	78 129	100

Table 9.3 Fire Distribution by Month

Month	1989				Annual Average 1979-1988			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-
April	139	12	363	—	115	11	356	—
May	115	10	205	—	309	30	21 562	28
June	210	18	1 322 958	63	162	16	27 991	36
July	462	40	781 715	37	167	16	23 893	31
August	148	13	4 121	—	181	18	4 099	5
September	74	6	143	—	53	5	158	—
October	17	1	7	—	25	3	38	—
November	2	—	1	1	7	1	32	—
December	-	-	-	-	-	-	-	-
Totals	1 167	100	2 109 512	100	1 018	100	78 129	100

Table 9.4 Fire Losses

	1989		Annual Average 1979-1988	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	3 709	$..	30 396	$..
Regeneration and Immature	2 104 497	..	39 832	..
Cutover & Other Areas	1 306	..	7 901	..
Real and Personal Property		185 766		660 225
Totals	2 109 512	$185 766	78 129	$660 225

FOREST FIRE STATISTICS FOR NEW BRUNSWICK

Table 10.1 Fire Distribution by Cause

Cause Class	1989				Annual Average 1979-1988			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	34	9	31	9	40	9	290	5
Resident	81	21	51	15	113	24	3 319	55
Forest Industry	14	3	17	5	18	4	637	11
Railroads	11	3	10	3	21	4	234	4
Other Industry	7	2	3	1	10	2	260	4
Incendiary	29	7	17	5	51	11	334	6
Miscellaneous	140	36	25	7	144	31	663	11
Total known man-caused	316	81	154	45	397	85	5 737	96
Lightning	45	11	142	41	25	5	46	—
Unknown	31	8	47	14	48	10	217	4
Totals	392	100	343	100	470	100	6 000	100

Table 10.2 Fire Distribution by Size Class

Size Class (hectares)	1989				Annual Average 1979-1988			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Up to 0.1	242	62	8	2				
0.11-1	82	21	33	10				
1.1-10	54	14	89	26				
10.1-100	14	3	213	62	N/A		N/A	
100.1-1 000	-	-	-	-				
1 000.1-10 000	-	-	-	-				
10 000.1-100 000	-	-	-	-				
Over 100 000	-	-	-	-				
Totals	392	100	343	100	470	100	6 000	100

Table 10.3 Fire Distribution by Month

Month	1989				Annual Average 1979-1988			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	1	—	2	—
April	47	12	42	12	88	19	318	5
May	61	16	44	13	141	30	4 992	83
June	46	12	8	2	73	16	439	7
July	143	36	208	61	66	14	106	2
August	45	11	10	3	48	10	35	1
September	27	7	4	1	30	6	36	1
October	22	6	27	8	20	4	63	1
November	1	—	—	—	3	1	9	—
December	-	-	-	-	-	-	-	-
Totals	392	100	343	100	470	100	6 000	100

Table 10.4 Fire Losses

	1989		Annual Average 1979-1988	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	169	$..		$..
Regeneration and Immature	111	..		..
Cutover & Other Areas	63	..	N/A	..
Real and Personal Property		833 400		1 095 254
Totals	343	$833 400	6 000	$1 095 254

FOREST FIRE STATISTICS FOR PRINCE EDWARD ISLAND

Table 11.1 Fire Distribution by Cause

Cause Class	1989				Annual Average 1979–1988			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	1	3	1	—	-	-	1	—
Resident	-	-	-	-	2	4	8	5
Forest Industry	6	20	7	4	3	6	6	3
Railroads	-	-	-	-	1	2	6	4
Other Industry	1	3	4	2	6	11	12	7
Incendiary	13	44	150	77	15	29	68	40
Miscellaneous	4	13	31	16	13	24	5	3
Total known man-caused	25	83	193	99	40	76	106	62
Lightning	-	-	-	-	-	-	-	-
Unknown	5	17	2	1	13	24	64	38
Totals	30	100	195	100	53	100	170	100

Table 11.2 Fire Distribution by Size Class

Size Class (hectares)	1989				Annual Average 1979–1988			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Up to 0.1	5	17	1	—				
0.11-1	14	47	6	4				
1.1-10	7	23	24	12				
10.1-100	4	13	164	84	N/A		N/A	
100.1-1 000	-	-	-	-				
1 000.1-10 000	-	-	-	-				
10 000.1-100 000	-	-	-	-				
Over 100 000	-	-	-	-				
Totals	30	100	195	100	53	100	170	100

Table 11.3 Fire Distribution by Month

Month	1989				Annual Average 1979–1988			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	..		-	-
February	-	-	-	-	..		-	-
March	-	-	-	-	..		3	2
April	7	23	69	36	..		55	32
May	8	28	88	45	..		99	58
June	1	3	—	—	..		4	2
July	4	13	2	1	..		1	1
August	2	7	20	10	..		2	1
September	4	13	1	—	..		5	3
October	3	10	12	6	..		1	1
November	1	3	3	2	..		-	-
December	-	-	-	-	..		-	-
Totals	30	100	195	100	53	100	170	100

Table 11.4 Fire Losses

	1989		Annual Average 1979–1988	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	1	$..	..	$..
Regeneration and Immature	1	..	..	..
Cutover & Other Areas	193	..	..	..
Real and Personal Property		2 146		..
Totals	195	$2 146	170	$..

FOREST FIRE STATISTICS FOR NOVA SCOTIA

Table 12.1 Fire Distribution by Cause

Cause Class	1989				Annual Average 1979-1988			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	33	8	29	6	28	6	30	4
Resident	150	35	94	21	65	13	50	8
Forest Industry	15	4	28	6	31	6	41	6
Railroads	10	2	21	5	19	4	17	3
Other Industry	19	5	57	12	37	8	39	6
Incendiary	116	27	190	41	121	25	285	43
Miscellaneous	31	7	14	3	103	21	91	14
Total known man-caused	374	88	433	94	404	83	553	84
Lightning	11	3	2	—	5	1	3	1
Unknown	40	9	27	6	76	16	99	15
Totals	425	100	462	100	485	100	655	100

Table 12.2 Fire Distribution by Size Class

Size Class (hectares)	1989				Annual Average 1979-1988			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Up to 0.1	202	48	12	3				
0.11-1	150	35	78	17				
1.1-10	65	15	193	42				
10.1-100	8	2	179	38	N/A		N/A	
100.1-1 000	-	-	-	-				
1 000.1-10 000	-	-	-	-				
10 000.1-100 000	-	-	-	-				
Over 100 000	-	-	-	-				
Totals	425	100	462	100	485	100	6 55	100

Table 12.3 Fire Distribution by Month

Month	1989				Annual Average 1979-1988			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	3	1	9	1
March	-	-	-	-	29	6	71	11
April	128	30	176	38	173	36	267	41
May	110	26	170	37	113	23	233	35
June	18	4	2	—	45	9	18	3
July	34	8	6	1	42	9	16	3
August	90	21	81	18	40	8	9	1
September	28	7	7	2	26	5	12	2
October	17	4	20	4	11	2	10	2
November	-	-	-	-	3	1	9	1
December	-	-	-	-	-	-	1	—
Totals	425	100	462	100	485	100	655	100

Table 12.4 Fire Losses

	1989		Annual Average 1979-1988	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	83	$..	151	$..
Regeneration and Immature	39	..	73	..
Cutover & Other Areas	340	..	431	..
Real and Personal Property		-		..
Totals	462	$-	655	$..

FOREST FIRE STATISTICS FOR NEWFOUNDLAND & LABRADOR

Table 13.1 Fire Distribution by Cause

Cause Class	1989				Annual Average 1979-1988			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	35	18	6 629	10	22	13	6 426	18
Resident	47	24	191	—	30	18	178	1
Forest Industry	6	3	2 018	3	7	4	3 076	9
Railroads	-	-	-	-	5	3	248	1
Other Industry	12	6	14 919	22	10	6	444	1
Incendiary	3	2	2	—	4	2	108	—
Miscellaneous	27	14	27	—	18	11	2 643	7
Total known man-caused	130	67	23 786	35	96	57	13 123	37
Lightning	15	8	42 408	62	18	11	16 404	46
Unknown	47	25	1 962	3	53	32	6 098	17
Totals	192	100	68 156	100	167	100	35 625	100

Table 13.2 Fire Distribution by Size Class

Size Class (hectares)	1989				Annual Average 1979-1988			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Up to 0.1	93	48	8	—				
0.11-1	48	25	24	—				
1.1-10	26	14	67	—				
10.1-100	7	3	192	—	N/A		N/A	
100.1-1 000	13	7	4 740	7				
1 000.1-10 000	3	2	8 525	13				
10 000.1-100 000	2	1	54 600	80				
Over 100 000	-	-	-	-				
Totals	192	100	68 156	100	167	100	35 625	100

Table 13.3 Fire Distribution by Month

Month	1989				Annual Average 1979-1988			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-
April	9	5	31	—	8	5	7	—
May	74	39	355	1	48	29	10 768	30
June	33	17	57 490	84	33	20	2 743	8
July	35	18	9 983	15	37	22	20 760	58
August	23	12	26	—	26	16	1 309	4
September	17	9	270	—	11	6	34	—
October	1	—	1	—	4	2	4	—
November	-	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-	-
Totals	192	100	68 156	100	167	100	35 625	100

Table 13.4 Fire Losses

	1989		Annual Average 1979-1988	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	2 258	$..	8 530	$..
Regeneration and Immature	393	..	672	..
Cutover & Other Areas	65 505	..	26 423	..
Real and Personal Property		-		49 300
Totals	68 156	$-	35 625	$49 300

FOREST FIRE STATISTICS FOR THE YUKON TERRITORY

Table 14.1 Fire Distribution by Cause

Cause Class	1989				Annual Average 1979-1988			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	46	19	2 536	1	37	26	1 093	2
Resident	8	3	1	—	8	6	10	—
Forest Industry	1	1	—	—	2	2	1 335	2
Railroads	-	-	-	-	-	-	1	—
Other Industry	6	2	7	—	9	6	25	—
Incendiary	3	1	1	—	2	1	95	—
Miscellaneous	21	9	2 001	1	12	8	256	—
Total known man-caused	85	35	4 546	2	70	49	2 815	4
Lightning	159	65	323 801	98	70	49	61 565	89
Unknown	-	-	-	-	2	2	4 761	7
Totals	244	100	328 347	100	142	100	69 141	100

Table 14.2 Fire Distribution by Size Class

Size Class (hectares)	1989				Annual Average 1979-1988			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Up to 0.1	83	34	2	—				
0.11-1	38	16	19	—				
1.1-10	38	16	185	—				
10.1-100	19	7	734	—	N/A		N/A	
100.1-1 000	31	13	13 556	4				
1 000.1-10 000	28	11	115 193	35				
10 000.1-100 000	7	3	198 658	61				
Over 100 000	-	-	-	-				
Totals	244	100	328 347	100	142	100	69 141	100

Table 14.3 Fire Distribution by Month

Month	1989				Annual Average 1979-1988			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-
April	11	4	3	—	3	2	1	—
May	14	6	8	—	16	11	8 130	12
June	44	18	12 679	4	55	39	19 965	29
July	119	49	295 723	90	48	34	31 735	46
August	46	19	19 932	6	14	10	9 005	13
September	10	4	2	—	5	3	305	—
October	-	-	-	-	1	1	—	—
November	-	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-	-
Totals	244	100	328 347	100	142	100	69 141	100

Table 14.4 Fire Losses

	1989		Annual Average 1979-1988	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	13 792	$..	10 748	$..
Regeneration and Immature	56 647	..	12 274	..
Cutover & Other Areas	257 908	..	46 119	..
Real and Personal Property		-		..
Totals	328 347	$-	69 141	$..

FOREST FIRE STATISTICS FOR THE NORTHWEST TERRITORIES

Table 15.1 Fire Distribution by Cause

Cause Class	1989				Annual Average 1979-1988			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	51	9	36	—	46	16	185	—
Resident	12	2	15	—	11	4	14	—
Forest Industry	-	-	-	-	-	-	-	-
Railroads	-	-	-	-	1	—	150	—
Other Industry	1	—	1	—	6	2	1 491	1
Incendiary	1	—	1	—	1	—	-	-
Miscellaneous	1	—	3	—	9	3	167	—
Total known man-caused	66	11	56	—	74	25	2 008	1
Lightning	541	88	577 514	100	219	74	564 554	98
Unknown	6	1	15	—	3	1	8 457	1
Totals	613	100	577 585	100	296	100	575 019	100

Table 15.2 Fire Distribution by Size Class

Size Class (hectares)	1989				Annual Average 1979-1988			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Up to 0.1	116	19	7	—				
0.11-1	136	22	88	—				
1.1-10	150	25	706	—				
10.1-100	64	11	2 837	—	N/A		N/A	
100.1-1 000	81	13	32 186	6				
1 000.1-10 000	52	8	186 533	32				
10 000.1-100 000	14	2	355 228	62				
Over 100 000	-	-	-	-				
Totals	613	100	577 585	100	296	100	575 019	100

Table 15.3 Fire Distribution by Month

Month	1989				Annual Average 1979-1988			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-
April	-	-	-	-	2	1	7	—
May	8	1	10	—	19	6	3 886	1
June	39	6	145	—	85	29	203 732	35
July	264	43	365 392	63	137	46	257 303	45
August	273	45	207 299	36	44	15	109 683	19
September	28	5	4 738	1	9	3	408	—
October	1	—	1	—	-	-	-	-
November	-	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-	-
Totals	613	100	577 585	100	296	100	575 019	100

Table 15.4 Fire Losses

	1989		Annual Average 1979-1988	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	-	$..	3 006	$..
Regeneration and Immature	-	..	27 478	..
Cutover & Other Areas	577 585	..	544 535	..
Real and Personal Property		-		5 650
Totals	577 585	$-	575 019	$5 650

FOREST FIRE STATISTICS FOR THE NATIONAL PARKS
Table 16.1 Fire Distribution by Cause

Cause Class	1989				Annual Average 1979-1988			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	6	5	5	1	14	13	4	—
Resident	-	-	-	-	2	2	2 088	2
Forest Industry	-	-	-	-	1	—	—	—
Railroads	-	-	-	-	3	3	2	—
Other Industry	-	-	-	-	1	—	1	—
Incendiary	17	13	52	6	14	13	29	—
Miscellaneous	-	-	-		6	5	91	—
Total known man-caused	23	18	57	7	41	36	2 215	2
Lightning	108	82	777	93	67	59	104 281	98
Unknown	-	-	-	-	7	5	123	—
Totals	131	100	834	100	115	100	106 619	100

Table 16.2 Fire Distribution by Size Class

Size Class (hectares)	1989				Annual Average 1979-1988			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Up to 0.1	85	65	1	—				
0.11-1	33	25	5	1				
1.1-10	8	6	38	5				
10.1-100	3	2	240	28	N/A		N/A	
100.1-1 000	2	2	550	66				
1 000.1-10 000	-	-	-	-				
10 000.1-100 000	-	-	-	-				
Over 100 000	-	-	-	-				
Totals	131	100	834	100	115	100	106 619	100

Table 16.3 Fire Distribution by Month

Month	1989				Annual Average 1979-1988			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-
April	-	-	-	-	-	-	-	-
May	17	13	52	6	13	12	74	—
June	20	15	15	2	14	13	2 535	2
July	80	61	576	69	33	28	19 538	19
August	9	7	180	22	26	23	14 952	14
September	5	4	11	1	25	22	69 507	65
October	-	-	-	-	2	2	13	—
November	-	-	-	-	1	—	—	—
December	-	-	-	-	1	—	—	—
Totals	131	100	834	100	115	100	106 619	100

Table 16.4 Fire Losses

	1989		Annual Average 1979-1988	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	..	$..	..	$..
Regeneration and Immature	..	..	..	..
Cutover & Other Areas	..	..	..	..
Real and Personal Property		-		-
Totals	834	$-	106 619	$-

Forest Fire Statistics/
Statistiques sur les incendies de forêt

Part/Partie 3 - 1990

FOREST FIRE STATISTICS FOR CANADA
Table 1.1 Fire Distribution by Cause

Cause Class	1990[1]				Annual Average 1980-1989[2]			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	1 355	13	15 552	2	1 554	14	35 717	1
Resident	1 191	12	39 106	4	1 120	10	78 290	3
Forest Industry	352	4	7 201	1	416	4	29 864	1
Railroads	216	2	906	—	324	3	3 481	—
Other Industry	364	4	36 794	4	452	4	37 505	2
Incendiary	475	5	14 365	2	643	6	29 405	1
Miscellaneous	947	9	6 531	1	886	8	96 549	4
Total known man-caused	4 900	49	120 455	13	5 395	49	310 811	12
Lightning	4 895	49	784 392	84	4 148	38	2 086 091	82
Unknown	188	2	1 030	—	305	3	59 354	2
Totals	10 111	100	930 918	100	10 968	100	2 556 298	100

[1]National Parks included in total only (128 fires) (25 041 ha).
[2]National Parks included in total only (112 fires) (100 042 ha).

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[1]Les Parcs nationaux sont inclus au total seulement (128 incendies) (25 041 ha).
[2]Les Parcs nationaux sont inclus au total seulement (112 incendies) (100 042 ha).

Table 1.2 Fire Distribution by Size Class

Size Class (hectares)	1990[3]				Annual Average 1980-1989			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Up to 0.1	5 213	52	350	—				
0.11-1	2 832	28	1 443	—				
1.1-10	1 126	11	3 756	—				
10.1-100	496	5	14 837	2	N/A		N/A	
100.1-1 000	209	2	70 294	8				
1 000.1-10 000	79	1	234 120	25				
10 000.1-100 000	28	-	581 077	62				
Over 100 000	-	-	-	-				
Totals	10 111	100	930 918	100	10 968	100	2 556 298	100

[3]National Parks included in total only (128 fires) (25 041 ha).

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[3]Les Parcs nationaux sont inclus au total seulement (128 incendies) (25 041 ha).

Table 1.3 Fire Distribution by Month

Month	1990[4]				Annual Average 1980-1989[5]			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	1	—	--	—	4	—	61	—
February	8	—	3	—	10	—	397	—
March	150	2	509	—	62	—	659	—
April	622	6	4 213	—	948	9	97 218	4
May	1 238	12	23 399	3	1 604	15	368 647	14
June	1 234	12	32 257	3	1 645	15	599 204	23
July	2 258	23	562 929	65	2 554	23	909 992	36
August	3 267	32	240 535	22	2 038	18	393 601	15
September	968	10	37 289	4	635	6	75 264	3
October	184	2	2 756	—	259	2	10 725	—
November	50	1	1 987	—	39	—	461	—
December	3	—	—	—	4	—	27	—
Totals	10 111	100	930 918	100	10 968	100	2 556 298	100

[4]National Parks included in total only (128 fires) (25 041 ha).
[5]National Parks included in total only (112 fires) (100 042 ha).

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[4]Les Parcs nationaux sont inclus au total seulement (128 incendies) (25 041 ha).
[5]Les Parcs nationaux sont inclus au total seulement (112 incendies) (100 041 ha).

Table 1.4 Fire Losses

	1990		Annual Average 1980-1989	
	Area burned in hectares[6]	Value lost	Area burned in hectares[7]	Value lost
Merchantable Timber	96 511	$..	404 369	$..
Regeneration and Immature	160 279	..	473 302	..
Cutover & Other Areas	544 471	..	705 023	..
Real and Personal Property		5 172 082		3 329 029
Totals	930 918	$5 172 082	2 556 298	$3 329 029

[6]National Parks (25 041 ha) and Northwest Territories (104 616 ha) included in total only.
[7]Saskatchewan (433 616 ha), New Brunswick (5 894 ha), Prince Edward Island (188 ha), National Parks (100 042 ha) and Northwest Territories (433 864 ha) included in total only.

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[6]Les Parcs nationaux sont inclus au total seulement (25 041 ha). Les Territoires du Nord-Ouest sont inclus au total seulement (104 616 ha).
[7]La Saskatchewan (433 616 ha), le Nouveau Brunswick (5 894 ha), l'Île-du-Prince-Édouard (188 ha), les Parcs nationaux (100 042 ha), et les Territoires du Nord-Ouest (433 864 ha) sont inclus au total seulement.

1990

Table 1.5 Fire Control Expenditure[1]

Jurisdiction	Budgeted Costs	Fire Fighting Costs
British Columbia	$49 800 000	$88 825 000
Alberta	13 169 000	51 416 000
Saskatchewan	17 855 000	32 533 000
Manitoba	8 949 000	11 875 000
Ontario	39 000 000	31 100 000
Quebec	30 750 000	7 975 000
New Brunswick	676 000	4 800 000
Prince Edward Island	80 000	48 000
Nova Scotia	3 754 000	318 000
Newfoundland	2 093 000	986 000
Yukon Territory	5 900 000	6 500 000
Northwest Territories	10 798 000	8 834 000
National Parks	3 558 000	3 274 000
Total	$186 382 000	$248 484 000

[1]Figures rounded to nearest thousand dollars; interagency comparisons should not be made.

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[1]Montants arrondis au mille dollars près, il vaut mieux ne pas faire de comparaison entre les organismes.

Table 1.6 Fatalities

Jurisdiction	Total
British Columbia	2
Alberta	-
Saskatchewan	1
Manitoba	-
Ontario	-
Quebec	-
New Brunswick	-
Prince Edward Island	-
Nova Scotia	-
Newfoundland	-
Yukon Territory	-
Northwest Territories	-
National Parks	-
Total	3

FOREST FIRE STATISTICS FOR THE PROVINCES

Table 2.1 Fire Distribution by Cause

Cause Class	1990[1]				Annual Average 1980-1989[2]			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	1 281	13	14 451	2	1 469	14	34 198	2
Resident	1 166	12	39 085	6	1 099	11	78 265	4
Forest Industry	351	4	7 200	1	414	4	28 529	1
Railroads	216	2	906	—	324	3	3 330	—
Other Industry	355	4	36 786	6	439	4	36 312	2
Incendiary	474	5	14 364	2	640	6	29 310	1
Miscellaneous	939	10	6 529	1	864	9	95 925	5
Total known man-caused	4 782	50	119 321	18	5 249	51	305 869	15
Lightning	4 625	48	511 310	78	3 819	36	1 569 147	78
Unknown	186	2	1 029	—	299	3	46 134	2
Totals	9 721	100	656 701	100	10 488	100	2 021 192	100

[1]National Parks included in total only (128 fires) (25 041 ha).
[2]National Parks included in total only (112 fires) (100 042 ha).

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[1]Les Parcs nationaux sont inclus au total seulement (128 incendies).
[2]Les Parcs nationaux sont inclus au total seulement (112 incendies) (100 042 ha).

Table 2.2 Fire Distribution by Size Class

Size Class (hectares)	1990[3]				Annual Average 1980-1989			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Up to 0.1	5 089	52	345	—				
0.11-1	2 723	28	1 386	—				
1.1-10	1 047	11	3 497	1				
10.1-100	459	5	13 566	2	N/A		N/A	
100.1-1 000	188	2	61 287	9				
1 000.1-10 000	69	1	205 843	31				
10 000.1-100 000	18	—	345 737	53				
Over 100 000	-	-	-	-				
Totals	9 721	100	656 701	100	10 488	100	2 021 192	100

[3]National Parks included in total only (128 fires) (25 041 ha).

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[3]Les Parcs nationaux sont inclus au total seulement (128 incendies) (25 041 ha).

Table 2.3 Fire Distribution by Month

Month	1990[4]				Annual Average 1980-1989[5]			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	1	—	-	-	4	—	61	—
February	8	—	3	—	10	—	397	—
March	150	2	509	—	62	—	659	—
April	619	6	4 213	1	942	9	97 210	5
May	1 212	13	19 812	3	1 569	15	356 630	18
June	1 117	11	28 108	4	1 508	14	462 760	23
July	2 077	22	297 270	45	2 348	23	652 261	32
August	3 222	33	239 802	37	1 960	19	265 757	13
September	952	10	37 202	6	619	6	74 202	3
October	182	2	2 755	—	257	2	10 725	1
November	50	1	1 987	—	39	—	461	—
December	3	—	—	—	4	—	27	—
Totals	9 721	100	656 701	100	10 488	100	2 021 192	100

[4]National Parks included in total only (128 fires) (25 041 ha).
[5]National Parks included in total only (112 fires) (100 042 ha).

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[4]Les Parcs nationaux sont inclus au total seulement (128 incendies) (25 041 ha).
[5]Les Parcs nationaux sont inclus au total seulement (112 incendies) (100 042 ha).

Table 2.4 Fire Losses

	1990[6]		Annual Average 1980-1989[7]	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	90 627	$..	392 246	$..
Regeneration and Immature	149 459	..	455 363	..
Cutover & Other Areas	391 574	..	633 843	..
Real and Personal Property		5 121 682		3 329 029
Totals	656 701	$5 121 682	2 021 192	$3 329 029

[6]National Parks included in total only (128 fires) (25 041 ha).
[7]Saskatchewan (433 616 ha), New Brunswick (5 894 ha), Prince Edward Island (188 ha) and National Parks (100 042 ha) included in total only.

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[6]Les Parcs nationaux sont inclus au total seulement (128 incendies) (25 041 ha).
[7]La Saskatchewan (433 616 ha), le Nouveau-Brunswick (5 894 ha), l'Île-du-Prince-Édouard (188 ha), et les Parcs nationaux (100 042 ha) sont inclus au total seulement.

FOREST FIRE STATISTICS FOR THE TERRITORIES

Table 3.1 Fire Distribution by Cause

Cause Class	1990				Annual Average 1980-1989			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	74	19	1 101	—	85	18	1 519	—
Resident	25	9	21	—	21	4	25	—
Forest Industry	1	—	-	-	2	—	1 335	—
Railroads	-	-	-	-	-	-	151	—
Other Industry	9	2	9	—	13	3	1 193	—
Incendiary	1	—	1	—	3	1	95	—
Miscellaneous	8	2	2	—	22	5	624	—
Total known man-caused	118	30	1 134	—	146	30	4 942	—
Lightning	270	69	273 082	100	328	69	516 944	98
Unknown	2	1	1	—	6	1	13 220	2
Totals	390	100	274 217	100	480	100	535 106	100

Table 3.2 Fire Distribution by Size Class

Size Class (hectares)	1990				Annual Average 1980-1989			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Up to 0.1	124	32	5	—				
0.11-1	109	28	57	—				
1.1-10	79	20	259	—				
10.1-100	37	9	1 271	—	N/A		N/A	
100.1-1 000	21	5	9 007	3				
1 000.1-10 000	10	3	28 277	10				
10 000.1-100 000	10	3	235 341	87				
Over 100 000	-	-	-	-				
Totals	390	100	274 217	100	480	100	535 106	100

Table 3.3 Fire Distribution by Month

Month	1990				Annual Average 1980-1989			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-
April	3	1	—	—	6	1	8	—
May	26	7	3 587	1	35	7	12 017	2
June	117	30	4 149	2	137	29	136 444	25
July	181	46	265 659	97	206	43	257 731	48
August	45	12	733	—	78	16	127 844	25
September	16	4	88	—	16	3	1 062	—
October	2	—	1	—	2	1	-	-
November	-	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-	-
Totals	390	100	274 217	100	480	100	535 106	100

Table 3.4 Fire Losses

	1990		Annual Average 1980-1989	
	Area burned in hectares[1]	Value lost	Area burned in hectares	Value lost
Merchantable Timber	5 883	$..	13 011	$..
Regeneration and Immature	10 821	..	41 776	..
Cutover & Other Areas	152 897	..	480 319	..
Real and Personal Property		50 400		-
Totals	274 217	$50 400	535 106	$-

[1]Northwest Territories included in total only (104 616 ha).

---

[1]Les Territoires du Nord-Ouest sont inclus au total seulement (104 616 ha).

FOREST FIRE STATISTICS FOR BRITISH COLUMBIA

Table 4.1 Fire Distribution by Cause

Cause Class	1990				Annual Average 1980-1989			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	214	6	210	—	319	12	5 356	6
Resident	122	4	1 641	2	114	5	1 219	1
Forest Industry	183	6	3 349	4	217	8	4 235	5
Railroads	34	1	36	—	62	2	175	—
Other Industry	139	4	25 415	34	127	5	3 485	4
Incendiary	93	3	7 042	9	164	6	4 935	5
Miscellaneous	410	13	2 311	3	333	13	17 838	19
Total known man-caused	1 196	37	40 004	53	1 336	51	37 295	40
Lightning	2 015	62	35 504	47	1 267	49	55 433	60
Unknown	44	1	270	—	17	—	384	—
Totals	3 255	100	75 778	100	2 620	100	93 112	100

Table 4.2 Fire Distribution by Size Class

Size Class (hectares)	1990				Annual Average 1980-1989			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Up to 0.1	2100	65	143	—				
0.11-1	666	20	291	—				
1.1-10	315	10	1 181	2				
10.1-100	122	4	4 259	6	N/A		N/A	
100.1-1 000	40	1	12 491	16				
1 000.1-10 000	10	—	21 120	28				
10 000.1-100 000	2	—	36 293	48				
Over 100 000	-	-	-	-				
Totals	3 255	100	75 778	100	2 620	100	93 112	100

Table 4.3 Fire Distribution by Month

Month	1990				Annual Average 1980-1989			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	2	—	3	—
February	3	—	—	—	3	—	10	—
March	39	1	129	—	17	1	85	—
April	147	5	441	—	188	7	2 840	3
May	233	7	3 431	6	254	10	21 017	23
June	97	3	80	—	385	15	19 457	21
July	787	24	25 049	33	741	28	21 761	23
August	1 553	48	11 671	15	708	27	19 898	21
September	345	11	34 861	46	207	8	7 016	8
October	46	1	116	—	109	4	1 013	1
November	5	—	—	—	5	—	5	—
December	-	-	-	-	1	—	7	—
Totals	3 255	100	75 778	100	2 620	100	93 112	100

Table 4.4 Fire Losses

	1990		Annual Average 1980-1989	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	28 017	$..	33 676	$..
Regeneration and Immature	24 558	..	17 940	..
Cutover & Other Areas	23 203	..	41 496	..
Real and Personal Property		3 569 089		1 681 970
Totals	75 778	$3 569 089	93 112	$1 681 970

FOREST FIRE STATISTICS FOR ALBERTA

Table 5.1 Fire Distribution by Cause

Cause Class	1990				Annual Average 1980-1989			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	116	9	300	1	141	13	812	—
Resident	93	7	548	2	127	12	4 097	2
Forest Industry	22	2	214	1	16	2	253	—
Railroads	8	1	6	—	17	2	177	—
Other Industry	71	5	95	—	75	7	21 484	8
Incendiary	32	2	196	1	62	6	2 907	1
Miscellaneous	25	2	852	3	78	7	14 935	5
Total known man-caused	367	28	2 211	7	516	48	44 665	16
Lightning	914	71	27 651	91	532	50	242 462	84
Unknown	15	1	671	2	20	2	93	—
Totals	1 296	100	30 533	100	1 068	100	287 220	100

Table 5.2 Fire Distribution by Size Class

Size Class (hectares)	1990				Annual Average 1980-1989			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Up to 0.1	732	56	73	—				
0.11-1	347	27	154	—				
1.1-10	145	11	449	1				
10.1-100	47	4	1 599	5	N/A		N/A	
100.1-1 000	22	2	6 696	22				
1 000.1-10 000	2	—	10 730	36				
10 000.1-100 000	1	—	10 832	36				
Over 100 000	-	-	-	-				
Totals	1 296	100	30 533	100	1 068	100	287 220	100

Table 5.3 Fire Distribution by Month

Month	1990				Annual Average 1980-1989			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	1	—	—	—	9	1	52	—
February	5	—	3	—	9	1	284	—
March	8	—	7	—	11	1	26	—
April	26	2	25	—	108	10	24 592	8
May	110	9	624	2	201	19	41 988	15
June	196	15	1 308	4	219	20	74 506	26
July	422	33	13 480	45	209	19	23 046	8
August	362	28	12 858	42	178	17	71 074	25
September	117	9	2 045	7	49	5	51 086	18
October	34	3	182	—	46	4	409	—
November	13	1	1	—	22	2	139	—
December	2	—	—	—	7	1	18	—
Totals	1 296	100	30 533	100	1 068	100	287 220	100

Table 5.4 Fire Losses

	1990		Annual Average 1980-1989	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	19 743	$..	114 338	$..
Regeneration and Immature	1 538	..	79 780	..
Cutover & Other Areas	9 252	..	93 102	..
Real and Personal Property		43 500		..
Totals	30 533	$43 500	287 220	$..

FOREST FIRE STATISTICS FOR SASKATCHEWAN

Table 6.1 Fire Distribution by Cause

Cause Class	1990				Annual Average 1980-1989			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	174	19	413	—	131	17	5 942	1
Resident	158	18	31 617	17	115	15	6 631	2
Forest Industry	4	—	3	—	10	2	778	—
Railroads	2	—	3	—	3	—	25	—
Other Industry	6	1	—	—	8	1	2 840	1
Incendiary	45	5	504	—	87	11	6 165	2
Miscellaneous	45	5	132	—	32	4	40 593	9
Total known man-caused	434	48	32 672	17	386	50	62 974	15
Lightning	449	50	154 677	83	351	45	355 775	82
Unknown	14	2	—	—	35	5	14 867	3
Totals	897	100	187 349	100	771	100	433 616	100

Table 6.2 Fire Distribution by Size Class

Size Class (hectares)	1990				Annual Average 1980-1989			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Up to 0.1	335	37	6	—				
0.11-1	378	42	163	—				
1.1-10	73	8	290	—				
10.1-100	65	7	2 312	1	N/A		N/A	
100.1-1 000	19	3	7 747	4				
1 000.1-10 000	22	2	60 917	33				
10 000.1-100 000	5	1	115 914	62				
Over 100 000	-	-	-	-				
Totals	897	100	187 349	100	771	100	433 616	100

Table 6.3 Fire Distribution by Month

Month	1990				Annual Average 1980-1989			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	1	—	4	—
February	-	-	-	-	1	—	4	—
March	2	—	—	—	1	—	22	—
April	18	2	99	—	50	6	44 109	10
May	103	12	589	—	158	20	78 430	18
June	275	31	14 334	8	184	24	80 754	19
July	130	15	27 095	14	173	22	141 500	33
August	314	34	145 074	78	148	19	79 510	18
September	45	5	107	—	36	6	1 102	—
October	10	1	52	—	17	3	8 175	2
November	-	-	-	-	2	—	5	—
December	-	-	-	-	5	—	—	—
Totals	897	100	187 349	100	771	100	433 616	100

Table 6.4 Fire Losses

	1990		Annual Average 1980-1989	
	Area burned in hectares[1]	Value lost	Area burned in hectares	Value lost
Merchantable Timber	20 468	$..	..	$..
Regeneration and Immature	50 730	..	..	..
Cutover & Other Areas	116 151	..	..	..
Real and Personal Property		-		..
Totals	187 349	$-	433 616	$..

[1]Complete information not available.

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[1]Les renseignements ne sont pas disponibles.

FOREST FIRE STATISTICS FOR MANITOBA

Table 7.1 Fire Distribution by Cause

Cause Class	1990				Annual Average 1980-1989			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	98	17	570	3	78	12	7 860	1
Resident	89	16	3 740	23	122	18	59 430	11
Forest Industry	7	1	878	5	5	1	3 888	1
Railroads	18	3	201	1	23	3	1 552	—
Other Industry	3	1	8	—	22	3	4 990	1
Incendiary	40	7	224	1	66	10	14 188	3
Miscellaneous	33	6	317	2	22	3	1 156	—
Total known man-caused	288	51	5 938	36	338	50	93 064	17
Lightning	282	49	10 427	64	319	47	442 922	82
Unknown	-	-	-	-	17	3	40 970	1
Totals	570	100	16 365	100	674	100	540 083	100

Table 7.2 Fire Distribution by Size Class

Size Class (hectares)	1990				Annual Average 1980-1989			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Up to 0.1	168	29	17	—				
0.11-1	277	49	321	2				
1.1-10	-	-	-	-				
10.1-100	89	16	1 199	7	N/A		N/A	
100.1-1 000	29	5	4 837	30				
1 000.1-10 000	7	1	9 991	61				
10 000.1-100 000	-	-	-	-				
Over 100 000	-	-	-	-				
Totals	570	100	16 365	100	674	100	540 083	100

Table 7.3 Fire Distribution by Month

Month	1990				Annual Average 1980-1989			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	2	—
February	-	-	-	-	-	-	97	—
March	-	-	-	-	-	-	424	—
April	40	7	2 775	17	80	12	20 581	4
May	71	13	338	2	132	20	108 252	20
June	87	15	401	2	117	17	66 065	12
July	89	16	5 377	33	197	29	285 097	53
August	179	31	4 755	29	108	16	50 367	9
September	49	9	52	-	30	4	8 375	2
October	41	7	2 342	14	8	1	814	—
November	13	2	325	2	2	—	9	—
December	1	—	—	—	-	-	-	-
Totals	570	100	16 365	100	674	100	540 083	100

Table 7.4 Fire Losses

	1990		Annual Average 1980-1989	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	3 166	$..	166 149	$..
Regeneration and Immature	3 562	..	91 815	..
Cutover & Other Areas	9 638	..	282 119	..
Real and Personal Property		-		690 800
Totals	16 365	$-	540 083	$690 800

FOREST FIRE STATISTICS FOR ONTARIO

Table 8.1 Fire Distribution by Cause

Cause Class	1990				Annual Average 1980-1989			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	322	20	5 364	3	374	21	3 810	2
Resident	225	14	800	1	215	12	2 757	1
Forest Industry	31	2	17	—	32	2	14 632	6
Railroads	76	5	111	—	154	9	805	—
Other Industry	16	1	9	—	35	2	638	—
Incendiary	51	3	102	—	42	2	135	—
Miscellaneous	221	14	2 349	1	181	10	17 274	8
Total known man-caused	942	58	8 752	5	1 033	58	40 051	17
Lightning	645	40	174 916	95	715	40	172 290	74
Unknown	27	2	25	—	42	2	20 111	9
Totals	1 614	100	183 693	100	1 790	100	232 452	100

Table 8.2 Fire Distribution by Size Class

Size Class (hectares)	1990				Annual Average 1980-1989			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Up to 0.1	703	44	70	—				
0.11-1	580	36	249	—				
1.1-10	210	13	725	—				
10.1-100	61	4	2 474	1	N/A		N/A	
100.1-1 000	41	3	16 031	9				
1 000.1-10 000	12	—	35 154	19				
10 000.1-100 000	7	—	128 990	71				
Over 100 000	-	-	-	-				
Totals	1 614	100	183 693	100	1 790	100	232 452	100

Table 8.3 Fire Distribution by Month

Month	1990				Annual Average 1980-1989			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	64	4	268	—	11	—	34	—
April	185	11	684	—	223	12	4 075	2
May	242	14	5 915	3	320	18	69 788	30
June	111	7	2 119	1	309	17	53 503	23
July	237	15	131 454	72	477	27	59 234	25
August	543	35	41 511	23	319	18	39 037	17
September	185	11	59	—	101	6	6 337	3
October	31	2	22	—	25	2	190	—
November	16	1	1 661	1	4	—	254	—
December	-	-	-	-	1	—	—	—
Totals	1 614	100	183 693	100	1 790	100	232 452	100

Table 8.4 Fire Losses

	1990		Annual Average 1980-1989	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	2 950	$..	39 283	$..
Regeneration and Immature	210	..	15 316	..
Cutover & Other Areas	180 493	..	177 853	..
Real and Personal Property		376 635		631 716
Totals	183 693	$376 635	232 452	$631 716

FOREST FIRE STATISTICS FOR QUEBEC
Table 9.1 Fire Distribution by Cause

Cause Class	1990				Annual Average 1980-1989			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	218	26	6 583	8	360	36	3 500	1
Resident	168	20	534	—	233	22	571	—
Forest Industry	60	7	101	—	69	6	800	—
Railroads	41	5	218	—	31	2	92	—
Other Industry	78	9	11 186	14	110	9	1 035	1
Incendiary	28	3	44	—	57	5	182	—
Miscellaneous	2	—	—	—	9	1	767	—
Total known man-caused	595	70	18 666	22	69	81	6 947	2
Lightning	256	30	64 676	78	204	19	281 814	98
Unknown	-	-	-	-	-	-	-	-
Totals	851	100	83 342	100	1 073	100	288 761	100

Table 9.2 Fire Distribution by Size Class

Size Class (hectares)	1990				Annual Average 1980-1989			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Up to 0.1	459	54	10	—				
0.11-1	181	21	86	—				
1.1-10	132	15	475	—				
10.1-100	42	5	1 168	1	N/A		N/A	
100.1-1 000	23	3	8 173	10				
1 000.1-10 000	12	1	46 399	56				
10 000.1-100 000	2	—	27 031	33				
Over 100 000	-	-	-	-				
Totals	851	100	83 342	100	1 073	100	288 761	100

Table 9.3 Fire Distribution by Month

Month	1990				Annual Average 1980-1989			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-
April	60	7	57	—	126	12	391	—
May	214	25	5 704	7	299	28	21 518	8
June	139	17	2 917	4	173	16	160 092	55
July	178	21	51 866	62	194	18	102 011	35
August	138	16	22 719	27	190	18	4 506	2
September	118	14	39	—	58	5	172	—
October	4	—	40	—	26	2	39	—
November	-	-	-	-	7	1	32	—
December	-	-	-	-	-	-	-	-
Totals	851	100	83 342	100	1 073	100	288 761	100

Table 9.4 Fire Losses

	1990		Annual Average 1980-1989	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	10 007	$..	30 643	$..
Regeneration and Immature	66 818	..	250 156	..
Cutover & Other Areas	6 517	..	7 962	..
Real and Personal Property		123 939		647 734
Totals	83 342	$123 939	288 761	$647 734

FOREST FIRE STATISTICS FOR NEW BRUNSWICK

Table 10.1 Fire Distribution by Cause

Cause Class	1990				Annual Average 1980-1989			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	23	6	8	—	42	9	292	5
Resident	101	27	27	1	110	23	3 244	55
Forest Industry	24	6	42	1	18	4	624	10
Railroads	12	3	6	—	20	4	233	4
Other Industry	9	2	2	—	10	2	258	4
Incendiary	29	8	5 998	98	54	11	336	6
Miscellaneous	120	32	18	—	148	32	638	11
Total known man-caused	318	84	6 101	100	402	86	5 625	95
Lightning	29	8	7	—	26	5	51	1
Unknown	30	8	5	—	41	9	218	4
Totals	377	100	6 113	100	469	100	5 894	100

Table 10.2 Fire Distribution by Size Class

Size Class (hectares)	1990				Annual Average 1980-1989			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Up to 0.1	206	55	8	—				
0.11-1	86	23	23	—				
1.1-10	76	20	75	2				
10.1-100	9	2	23	—	N/A		N/A	
100.1-1 000	-	-	-	-				
1 000.1-10 000	2	—	5 984	98				
10 000.1-100 000	-	-	-	-				
Over 100 000	-	-	-	-				
Totals	377	100	6 113	100	469	100	5 894	100

Table 10.3 Fire Distribution by Month

Month	1990				Annual Average 1980-1989			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	1	—	—	—	1	—	2	—
April	42	11	14	—	88	19	311	5
May	71	19	38	1	136	29	4 903	84
June	100	27	6 006	98	72	15	436	7
July	114	30	16	—	69	15	98	3
August	32	8	10	—	48	10	34	—
September	13	4	29	1	31	7	36	—
October	4	1	—	—	21	5	66	1
November	-	-	-	-	3	—	8	—
December	-	-	-	-	-	-	-	-
Totals	377	100	6 113	100	469	100	5 894	100

Table 10.4 Fire Losses

	1990		Annual Average 1980-1989	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	4 566	$..	..	$..
Regeneration and Immature	632	..	..	..
Cutover & Other Areas	915	..	..	..
Real and Personal Property		716 000		321 551
Totals	6 113	$716 000	5 894	$321 551

FOREST FIRE STATISTICS FOR PRINCE EDWARD ISLAND

Table 11.1 Fire Distribution by Cause

Cause Class	1990				Annual Average 1980-1989			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	2	5	—	—	—	—	1	—
Resident	11	29	28	27	2	5	8	4
Forest Industry	-	-	-	-	3	8	6	3
Railroads	-	-	-	-	1	2	6	3
Other Industry	2	5	1	1	6	13	12	6
Incendiary	15	40	53	52	17	37	83	44
Miscellaneous	-	-	-	-	3	6	8	4
Total known man-caused	30	79	82	80	32	70	125	66
Lightning	-	-	-	-	-	-	-	-
Unknown	8	21	20	20	13	30	64	34
Totals	38	100	102	100	45	100	189	100

Table 11.2 Fire Distribution by Size Class

Size Class (hectares)	1990				Annual Average 1980-1989			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Up to 0.1	11	31	1	1				
0.11-1	12	31	5	5				
1.1-10	12	31	56	55				
10.1-100	3	7	40	39	N/A		N/A	
100.1-1 000	-	-	-	-				
1 000.1-10 000	-	-	-	-				
10 000.1-100 000	-	-	-	-				
Over 100 000	-	-	-	-				
Totals	38	100	102	100	45	100	189	100

Table 11.3 Fire Distribution by Month

Month	1990				Annual Average 1980-1989			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	..	..	-	-
February	-	-	-	-	..	..	-	-
March	-	-	-	-	..	..	3	2
April	7	18	36	35	..	..	62	33
May	13	34	50	49	..	..	107	57
June	8	21	11	11	..	..	4	2
July	6	16	5	5	..	..	1	—
August	1	3	—	—	..	..	4	2
September	1	3	—	—	..	..	5	3
October	-	-	-	-	..	..	3	1
November	2	5	—	—	..	..	-	-
December	-	-	-	-	..	..	-	-
Totals	38	100	102	100	45	100	189	100

Table 11.4 Fire Losses

	1990		Annual Average 1980-1989	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	1	$..	..	$..
Regeneration and Immature	2	..	..	..
Cutover & Other Areas	99	..	..	..
Real and Personal Property		3 009		..
Totals	102	$3 009	189	$..

FOREST FIRE STATISTICS FOR NOVA SCOTIA
Table 12.1 Fire Distribution by Cause

Cause Class	1990				Annual Average 1980-1989			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	52	10	367	34	26	6	27	4
Resident	146	29	131	12	64	14	40	7
Forest Industry	15	3	3	—	31	7	42	7
Railroads	18	4	254	24	18	4	18	3
Other Industry	25	5	66	6	39	8	45	7
Incendiary	130	26	189	18	117	25	277	44
Miscellaneous	56	11	20	2	91	20	81	13
Total known man-caused	442	89	1 030	96	386	84	520	85
Lightning	8	2	—	—	5	1	3	—
Unknown	48	9	38	4	69	15	93	15
Totals	498	100	1 068	100	460	100	626	100

Table 12.2 Fire Distribution by Size Class

Size Class (hectares)	1990				Annual Average 1980-1989			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Up to 0.1	258	52	13	1				
0.11-1	162	33	76	7				
1.1-10	60	12	159	15				
10.1-100	16	3	292	27	N/A		N/A	
100.1-1 000	2	—	528	50				
1 000.1-10 000	-	-	-	-				
10 000.1-100 000	-	-	-	-				
Over 100 000	-	-	-	-				
Totals	498	100	1 068	100	460	100	626	100

Table 12.3 Fire Distribution by Month

Month	1990				Annual Average 1980-1989			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	1	—	2	—
March	34	7	103	9	24	5	63	10
April	89	18	65	6	154	34	242	39
May	135	27	262	25	110	24	237	38
June	58	12	574	54	41	9	16	3
July	74	15	29	3	39	8	15	2
August	62	12	29	3	48	10	17	3
September	36	7	5	—	27	6	12	2
October	9	2	1	—	13	3	12	2
November	1	—	—	—	3	1	9	1
December	-	-	-	-	—	—	1	—
Totals	498	100	1 068	100	460	100	626	100

Table 12.4 Fire Losses

	1990		Annual Average 1980-1989	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	348	$..	141	$..
Regeneration and Immature	129	..	74	..
Cutover & Other Areas	591	..	411	..
Real and Personal Property		3 250		..
Totals	1 068	$3 250	626	$..

FOREST FIRE STATISTICS FOR NEWFOUNDLAND & LABRADOR

Table 13.1 Fire Distribution by Cause

Cause Class	1990				Annual Average 1980-1989			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	62	31	636	1	23	14	6 618	17
Resident	53	27	19	—	31	18	196	—
Forest Industry	5	3	2 593	6	7	4	3 271	8
Railroads	7	4	71	—	4	3	247	—
Other Industry	6	3	4	—	11	6	1 525	4
Incendiary	11	5	12	—	4	2	102	—
Miscellaneous	26	13	530	1	20	12	2 635	7
Total known man-caused	170	86	3 865	8	101	60	14 594	37
Lightning	27	14	43 452	92	18	11	18 397	47
Unknown	-	-	-	-	50	29	6 207	16
Totals	197	100	47 317	100	169	100	39 198	100

Table 13.2 Fire Distribution by Size Class

Size Class (hectares)	1990				Annual Average 1980-1989			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Up to 0.1	117	60	4	—				
0.11-1	34	17	17	—				
1.1-10	24	12	87	—				
10.1-100	5	3	200	—	N/A		N/A	
100.1-1 000	12	6	4 784	10				
1 000.1-10 000	4	2	15 548	33				
10 000.1-100 000	1	—	26 677	57				
Over 100 000	-	-	-	-				
Totals	197	100	47 317	100	169	100	39 198	100

Table 13.3 Fire Distribution by Month

Month	1990				Annual Average 1980-1989			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	2	1	2	—	-	-	-	-
April	5	3	17	—	7	4	8	—
May	20	10	2 861	6	50	30	10 391	27
June	46	23	358	—	31	18	7 926	20
July	40	20	42 899	91	36	21	19 498	50
August	38	19	1 175	3	29	17	1 310	3
September	43	22	5	—	12	7	61	—
October	3	2	—	—	4	3	4	—
November	-	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-	-
Totals	197	100	47 317	100	169	100	39 198	100

Table 13.4 Fire Losses

	1990		Annual Average 1980-1989	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	1 322	$..	8 016	$..
Regeneration and Immature	1 279	..	282	..
Cutover & Other Areas	44 716	..	30 900	..
Real and Personal Property		286 260		46 058
Totals	47 317	$286 260	39 198	$46 058

FOREST FIRE STATISTICS FOR THE YUKON TERRITORY

Table 14.1 Fire Distribution by Cause

Cause Class	1990				Annual Average 1980-1989			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	54	35	1 095	1	39	24	1 342	1
Resident	13	8	18	—	9	5	10	—
Forest Industry	1	1	—	—	2	1	1 335	1
Railroads	-	-	-	-	—	—	1	—
Other Industry	7	5	9	—	8	5	25	—
Incendiary	-	-	-	-	2	1	95	—
Miscellaneous	5	3	1	-	14	9	457	1
Total known man-caused	80	52	1 124	1	74	46	3 265	3
Lightning	74	48	168 478	98	84	53	93 216	92
Unknown	-	-	-	-	2		4 761	5
Totals	154	100	169 601	100	160	100	101 242	100

Table 14.2 Fire Distribution by Size Class

Size Class (hectares)	1990				Annual Average 1980-1989			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Up to 0.1	60	39	2	—				
0.11-1	35	23	16	—				
1.1-10	24	15	86	—				
10.1-100	12	8	328	—	N/A		N/A	
100.1-1 000	12	8	4 852	3				
1 000.1-10 000	5	3	16 477	10				
10 000.1-100 000	6	4	147 840	87				
Over 100 000	-	-	-	-				
Totals	154	100	169 601	100	160	100	101 242	100

Table 14.3 Fire Distribution by Month

Month	1990				Annual Average 1980-1989			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-
April	3	2	—	—	4	2	1	—
May	16	11	3 532	2	16	10	8 131	8
June	20	13	312	—	58	36	20 966	21
July	68	44	164 982	98	59	37	60 877	60
August	31	20	686	—	16	10	10 962	11
September	14	9	88	—	6	4	305	—
October	2	1	1	—	1	1	--	—
November	-	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-	-
Totals	154	100	169 601	100	160	100	101 242	100

Table 14.4 Fire Losses

	1990		Annual Average 1980-1989	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	5 883	$..	12 123	$..
Regeneration and Immature	10 821	..	17 939	..
Cutover & Other Areas	152 897	..	71 180	..
Real and Personal Property		50 400		..
Totals	169 601	$50 400	101 242	$..

FOREST FIRE STATISTICS FOR THE NORTHWEST TERRITORIES

Table 15.1 Fire Distribution by Cause

Cause Class	1990				Annual Average 1980-1989			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	20	8	6	—	46	14	177	—
Resident	12	5	3	—	12	4	15	—
Forest Industry	-	-	-	-	-	-	-	-
Railroads	-	-	-	-	—	—	150	—
Other Industry	2	1	—	—	5	2	1 168	—
Incendiary	1	—	1	—	1	—	—	—
Miscellaneous	3	1	1	—	8	3	167	—
Total known man-caused	38	16	11	—	72	23	1 677	—
Lightning	196	83	104 604	100	244	76	423 728	98
Unknown	2	1	1	—	4	1	8 459	2
Totals	236	100	104 616	100	320	100	433 864	100

Table 15.2 Fire Distribution by Size Class

Size Class (hectares)	1990				Annual Average 1980-1989			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Up to 0.1	64	27	3	—				
0.11-1	74	31	41	—				
1.1-10	55	23	173	—				
10.1-100	25	11	943	1	N/A		N/A	
100.1-1 000	9	4	4 155	4				
1 000.1-10 000	5	2	11 800	11				
10 000.1-100 000	4	2	87 501	84				
Over 100 000	-	-	-	-				
Totals	236	100	104 616	100	320	100	433 864	100

Table 15.3 Fire Distribution by Month

Month	1990				Annual Average 1980-1989			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-
April	-	-	-	-	2	—	7	—
May	10	4	55	—	19	6	3 886	1
June	97	41	3 837	4	79	25	115 478	27
July	113	48	100 677	96	147	46	196 854	45
August	14	6	47	—	62	20	116 882	27
September	2	1	—	—	10	3	757	—
October	-	-	-	-	1	—	—	—
November	-	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-	-
Totals	236	100	104 616	100	320	100	433 864	100

Table 15.4 Fire Losses

	1990		Annual Average 1980-1989	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	..	$..	888	$..
Regeneration and Immature	..	..	238 364	..
Cutover & Other Areas	..	..	409 139	..
Real and Personal Property		-		5 650
Totals	104 616	$-	433 864	$5 650

FOREST FIRE STATISTICS FOR THE NATIONAL PARKS

Table 16.1 Fire Distribution by Cause

Cause Class	1990				Annual Average 1980-1989			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation Resident Forest Industry Railroads Other Industry Incendiary Miscellaneous Total known man-caused Lightning Unknown	n/A		n/A		N/A		N/A	
Totals	128	100	25 041	100	112	100	100 042	100

Table 16.2 Fire Distribution by Size Class

Size Class (hectares)	1990				Annual Average 1980-1989			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Up to 0.1 0.11-1 1.1-10 10.1-100 100.1-1 000 1 000.1-10 000 10 000.1-100 000 Over 100 000	N/A		N/A		N/A		N/A	
Totals	128	100	25 041	100	112	100	100 042	100

Table 16.3 Fire Distribution by Month

Month	1990				Annual Average 1980-1989			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January February March April May June July August September October November December	N/A		N/A		N/A		N/A	
Totals	128	100	25 041	100	112	100	100 042	100

Table 16.4 Fire Losses

	1990		Annual Average 1980-1989	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	..	$..	..	$..
Regeneration and Immature	..	..	..	..
Cutover & Other Areas	..	..	..	..
Real and Personal Property		-		-
Totals	25 041	$-	100 042	$-

Appendix/Annexe 1

Agency priority zone tables/Tableaux des zones de priorité des organismes
(a) Intensive Protection Zone - Priority Zone 1/
Zone de protection intensive - Zone de priorité 1
(b) Limited Protection Zone - Priority Zone 2/
Zone de protection limitée - Zone de priorité 2

1988
Saskatchewan
Quebec

1989
Saskatchewan
Quebec

1990
Saskatchewan
Quebec

1988

FOREST FIRE STATISTICS FOR SASKATCHEWAN
Fire Distribution by Cause

Cause Class	PRIORITY ZONE 1				PRIORITY ZONE 2			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	218	22	325	1	7	9	15	--
Resident	138	14	1 734	3	12	16	114	--
Forest Industry	9	1	10	--	-	-	-	-
Railroads	3	--	2	--	-	-	-	-
Other Industry	3	--	1	--	-	-	-	-
Incendiary	154	16	5 804	11	4	5	446	2
Miscellaneous	38	4	321	1	4	5	250	1
Total known man-caused	563	57	8 197	16	27	35	825	3
Lightning	342	35	43 942	83	49	64	27 318	97
Unknown	82	8	677	1	1	1	150	--
Totals	987	100	52 816	100	77	100	28 293	100

Fire Distribution by Size Class

Size Class (hectares)	PRIORITY ZONE 1				PRIORITY ZONE 2			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Up to 0.1	425	43	10	--	12	16	--	--
0.11-1	379	38	149	--	22	29	13	--
1.1-10	119	12	432	1	17	22	89	--
10.1-100	40	4	2 028	4	10	13	455	2
100.1-1 000	19	2	4 800	9	11	14	4 836	17
1 000.1-10 000	4	1	13 484	26	4	5	9 826	35
10 000.1-100 000	1	--	31 913	60	1	1	13 074	46
Over 100 000	-	-	-	-	-	-	-	-
Totals	987	100	52 816	100	77	100	28 293	100

Fire Distribution by Month

Month	PRIORITY ZONE 1				PRIORITY ZONE 2			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	1	--	--	--	-	-	-	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-
April	54	5	1 143	2	-	-	-	-
May	248	25	8 584	16	18	23	12 602	45
June	372	38	42 460	80	31	40	10 772	38
July	114	12	259	1	10	13	232	1
August	87	9	52	--	13	17	4 423	15
September	61	6	53	--	5	7	264	1
October	48	5	265	1	-	-	-	-
November	1	--	--	--	-	-	-	-
December	1	--	--	--	-	-	-	-
Totals	987	100	52 816	100	77	100	28 293	100

Fire Losses

	PRIORITY ZONE 1		PRIORITY ZONE 2	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	10 750	$..	-	$..
Regeneration and Immature	13 415	..	22	..
Cutover & Other Areas	28 651	..	28 271	..
Real and Personal Property		-		..
Totals	52 816	$-	28 293	$..

1988

FOREST FIRE STATISTICS FOR QUEBEC
Fire Distribution by Cause

Cause Class	PRIORITY ZONE 1				PRIORITY ZONE 2			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	322	25	749	10	9	14	5 142	2
Resident	279	22	964	14	8	12	409	—
Forest Industry	86	7	1 722	24	1	2	5	—
Railroads	32	3	33	—	-	-	-	-
Other Industry	105	8	993	14	6	9	7 177	3
Incendiary	33	3	60	1	-	-	-	-
Miscellaneous	6	—	11	—	-	-	-	-
Total known man-caused	863	68	4 532	63	24	37	12 733	5
Lightning	403	32	2 611	37	41	63	255 846	95
Unknown	-	-	-	-	-	-	-	-
Totals	1 266	100	7 143	100	65	100	268 579	100

Fire Distribution by Size Class

Size Class (hectares)	PRIORITY ZONE 1				PRIORITY ZONE 2			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Up to 0.1	684	54	16	—	13	20	—	—
0.11-1	312	25	144	2	7	10	4	—
1.1-10	206	16	737	10	6	1	24	—
10.1-100	50	4	1 601	23	11	17	464	—
100.1-1 000	14	1	4 645	65	11	17	4 894	2
1 000.1-10 000	-	-	-	-	14	22	56 766	21
10 000.1-100 000	-	-	-	-	2	3	49 977	19
Over 100 000	-	-	-	-	1	2	156 450	58
Totals	1 266	100	7 143	100	65	100	268 579	100

Fire Distribution by Month

Month	PRIORITY ZONE 1				PRIORITY ZONE 2			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-
April	38	3	84	1	-	-	-	-
May	415	33	2 360	33	2	3	6 973	3
June	419	33	3 108	44	5	8	365	—
July	297	24	768	11	38	58	223 182	83
August	76	6	813	11	20	31	38 159	14
September	15	1	9	—	-	-	-	-
October	6	—	1	—	-	-	-	-
November	-	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-	-
Totals	1 266	100	7 143	100	65	100	268 579	100

Fire Losses

	PRIORITY ZONE 1		PRIORITY ZONE 2	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	3 652	$..	7 473	$..
Regeneration and Immature	1 088	..	260 853	..
Cutover & Other Areas	2 403	..	253	..
Real and Personal Property		459 515		-
Totals	7 143	$459 515	268 579	$-

1989

FOREST FIRE STATISTICS FOR SASKATCHEWAN

Fire Distribution by Cause

Cause Class	PRIORITY ZONE 1				PRIORITY ZONE 2			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	127	16	13 951	7	3	1	6	—
Resident	149	18	35 488	17	6	3	776	—
Forest Industry	7	1	16	—	-	-	-	-
Railroads	4	—	1	—	-	-	-	-
Other Industry	7	1	134	—	1	1	—	—
Incendiary	81	10	2 598	1	2	1	1	—
Miscellaneous	46	6	255	—	6	3	1 611	1
Total known man-caused	421	52	52 443	25	18	9	2 394	1
Lightning	337	41	141 893	67	183	89	256 220	99
Unknown	57	7	17 559	8	4	2	1	—
Totals	815	100	211 895	100	205	100	258 615	100

Fire Distribution by Size Class

Size Class (hectares)	PRIORITY ZONE 1				PRIORITY ZONE 2			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Up to 0.1	335	41	6	—	9	4	—	—
0.11-1	296	36	128	—	42	21	23	—
1.1-10	95	12	436	—	18	9	81	—
10.1-100	46	5	2 030	1	30	15	1 334	1
100.1-1 000	24	3	8 173	4	60	29	25 524	100
1 000.1-10 000	13	2	52 925	25	39	19	97 594	37
10 000.1-100 000	6	1	148 197	70	7	3	134 059	52
Over 100 000	-	-	-	-	-	-	-	-
Totals	815	100	211 895	100	205	100	258 615	100

Fire Distribution by Month

Month	PRIORITY ZONE 1				PRIORITY ZONE 2			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	1	—	—	—	-	-	-	-
March	-	-	-	-	-	-	-	-
April	42	5	182	—	-	-	-	-
May	172	21	60 083	28	3	1	222	—
June	67	8	7 715	4	7	4	1 421	1
July	317	39	143 618	68	146	71	233 057	90
August	185	23	210	—	41	20	23 724	9
September	17	2	26	—	8	4	191	—
October	12	2	58	—	-	-	-	-
November	-	-	-	-	-	-	-	-
December	2	—	3	—	-	-	-	-
Totals	815	100	211 895	100	205	100	258 615	100

Fire Losses

	PRIORITY ZONE 1		PRIORITY ZONE 2	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	26 985	$..	233	$..
Regeneration and Immature	82 016	..	28 170	..
Cutover & Other Areas	102 894	..	230 212	..
Real and Personal Property		-		-
Totals	211 895	$-	258 615	$-

1989

FOREST FIRE STATISTICS FOR QUEBEC
Fire Distribution by Cause

Cause Class	PRIORITY ZONE 1				PRIORITY ZONE 2			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	292	27	382	6	6	6	7	—
Resident	200	19	367	6	9	9	25	—
Forest Industry	75	7	63	1	-	-	-	-
Railroads	22	2	26	—	1	1	1	—
Other Industry	61	6	60	1	-	-	-	-
Incendiary	22	2	12	—	-	-	-	-
Miscellaneous	6	1	1	—	-	-	-	-
Total known man-caused	678	64	911	14	16	16	33	—
Lightning	386	36	5 586	86	87	84	2 102 982	100
Unknown	-	-	-	-	-	-	-	-
Totals	1 064	100	6 497	100	103	100	2 103 015	100

Fire Distribution by Size Class

Size Class (hectares)	PRIORITY ZONE 1				PRIORITY ZONE 2			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Up to 0.1	605	57	14	—	10	10	-	-
0.11-1	254	24	115	2	7	7	3	—
1.1-10	174	16	570	9	15	15	88	—
10.1-100	25	2	731	11	18	17	821	—
100.1-1 000	5	1	1 267	20	19	18	7 408	—
1 000.1-10 000	1	—	3 800	58	9	9	29 206	2
10 000.1-100 000	-	-	-	-	18	17	740 084	35
Over 100 000	-	-	-	-	7	7	1 325 405	63
Totals	1 064	100	6 497	100	103	100	2 103 015	100

Fire Distribution by Month

Month	PRIORITY ZONE 1				PRIORITY ZONE 2			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-
April	139	13	363	6	-	-	-	-
May	114	11	204	3	1	1	1	—
June	159	15	451	7	-	-	-	-
July	423	40	5 197	80	51	49	1 322 507	63
August	136	13	132	2	39	38	776 518	37
September	74	7	143	2	12	12	3 989	—
October	17	1	7	—	-	-	-	-
November	2	—	—	—	-	-	-	-
December	-	-	-	-	-	-	-	-
Totals	1 064	100	6 497	100	103	100	2 103 015	100

Fire Losses

	PRIORITY ZONE 1		PRIORITY ZONE 2	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	3 483	$..	226	$..
Regenaration and Immature	1 743	..	2 102 754	..
Cutover & Other Areas	1 271	..	35	..
Real and Personal Property		185 766		-
Totals	6 497	$185 766	2 103 015	$-

1990

FOREST FIRE STATISTICS FOR SASKATCHEWAN

Fire Distribution by Cause

Cause Class	PRIORITY ZONE 1				PRIORITY ZONE 2			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	173	22	412	—	1	1	1	—
Resident	153	20	31 617	46	5	4	—	-
Forest Industry	4	1	3	—	-	-	-	-
Railroads	2	-	3	—	-	-	-	-
Other Industry	6	1	—	—	-	-	-	-
Incendiary	45	6	504	1	-	-	-	-
Miscellaneous	42	5	553	—	3	3	79	—
Total known man-caused	425	54	32 592	47	9	8	80	—
Lightning	361	46	36 193	53	102	92	118 484	100
Unknown	-	-	-	-	-	-	-	-
Totals	786	100	68 785	100	111	100	118 564	100

Fire Distribution by Size Class

Size Class (hectares)	PRIORITY ZONE 1				PRIORITY ZONE 2			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Up to 0.1	320	41	6	—	15	14	-	-
0.11-1	347	44	145	—	31	28	10	—
1.1-10	55	7	203	—	18	16	87	—
10.1-100	42	6	1 335	2	23	20	977	—
100.1-1 000	10	1	3 320	5	9	8	4 427	4
1 000.1-10 000	10	1	21 187	31	12	11	39 730	35
10 000.1-100 000	2	—	42 589	62	3	3	73 325	61
Over 100 000	-	-	-	-	-	-	-	-
Totals	786	100	68 785	100	111	100	118 564	100

Fire Distribution by Month

Month	PRIORITY ZONE 1				PRIORITY ZONE 2			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	2	—	—	—	-	-	-	-
April	18	3	99	—	-	-	-	-
May	103	13	588	1	—	—	1	—
June	223	28	3 205	5	52	47	11 128	9
July	108	14	137	—	22	20	26 958	23
August	277	35	64 597	94	37	33	80 477	68
September	45	6	107	—	-	-	-	-
October	10	1	52	—	-	-	-	-
November	-	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-	-
Totals	786	100	68 785	100	111	100	118 564	100

Fire Losses

	PRIORITY ZONE 1		PRIORITY ZONE 2	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	20 339	$..	129	$..
Regeneration and Immature	24 499	..	26 231	..
Cutover & Other Areas	23 947	..	92 204	..
Real and Personal Property		-		-
Totals	68 785	$-	118 564	$-

1990

FOREST FIRE STATISTICS FOR QUEBEC
Fire Distribution by Cause

Cause Class	PRIORITY ZONE 1				PRIORITY ZONE 2			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	215	27	6 578	41	3	6	5	—
Resident	164	21	516	3	4	7	18	—
Forest Industry	60	7	101	1	-	-	-	-
Railroads	40	5	78	—	1	2	140	—
Other Industry	70	9	145	1	8	15	11 041	17
Incendiary	28	4	44	—	-	-	-	—
Miscellaneous	2	—	-	—	-	-	-	—
Total known man-caused	579	73	7 464	46	16	30	11 204	17
Lightning	219	27	8 602	54	37	70	56 074	83
Unknown	-	-	-	-	-	-	-	-
Totals	798	100	16 064	100	53	100	67 278	100

Fire Distribution by Size Class

Size Class (hectares)	PRIORITY ZONE 1				PRIORITY ZONE 2			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Up to 0.1	448	56	10	—	11	21	—	—
0.11-1	180	23	85	—	1	2	1	—
1.1-10	124	15	432	3	8	15	43	—
10.1-100	32	4	872	5	10	19	296	—
100.1-1 000	10	1	2 509	16	13	25	5 664	8
1 000.1-10 000	4	1	12 156	76	8	15	34 243	51
10 000.1-100 000	-	-	-	-	2	3	27 031	41
Over 100 000	-	-	-	-	-	-	-	-
Totals	798	100	16 064	100	53	100	67 278	100

Fire Distribution by Month

Month	PRIORITY ZONE 1				PRIORITY ZONE 2			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-
April	60	7	57	—	-	-	-	-
May	207	26	5 544	35	7	14	160	—
June	134	17	2 837	18	5	9	80	—
July	141	18	3 642	23	37	70	48 224	72
August	134	17	3 905	24	4	7	18 814	28
September	118	15	39	—	-	-	-	-
October	4	—	40	—	-	-	-	-
November	-	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-	-
Totals	798	100	16 064	100	53	100	67 278	100

Fire Losses

	PRIORITY ZONE 1		PRIORITY ZONE 2	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	9 588	$..	419	$..
Regeneration and Immature	2 461	..	64 357	..
Cutover & Other Areas	4 015	..	2 502	..
Real and Personal Property		..		..
Totals	16 064	5123 939	67 278	$-

Appendix/Annexe 2

Canadian Forest Fire Statistics/ Statistiques sur les incendies de forêt au Canada 1991

	Fires	Area Burned (ha)
	1991	1991
British Columbia	1 895	27 112
Alberta	901	6 127
Saskatchewan	737	96 448
Manitoba	669	142 913
Ontario	2 533	318 473
Quebec	1 195	438 297
New Brunswick	651	3 302
P.E.I.	48	120
Nova Scotia	728	1 807
Nfld. & Labrador	166	56 664
Yukon	178	132 730
N.W.T.	331	225 324
National Parks	31	812
Total	10 063	1 450 129

Estimates provided by the Canadian Interagency Forest Fire Centre (October 17, 1991).

Estimation donnée par le Centre interservice des feux de forêt du Canada (le 17 octobre 1991).

Appendix/Annexe 3

(a) Yearly Forest Fire Losses 1990-1946/
Pertes annuelles dues aux incendies de forêt - 1990 à 1946

Year	Total number of fires	Total area burned (hectares)	Year	Total number of firest	Total area burned (hectares)
1991*	10 063	1 450 129	1968	7 301	895 036
1990	10 111	930 917	1967	8 650	895 178
1989	12 185	7 559 570	1966	7 468	463 154
1988	10 740	1 336 070	1965	7 238	210 908
1987	11 304	1 085 629	1964	6 944	1 211 384
1986	7 087	950 123	1963	7 670	190 209
1985	9 198	670 528	1962	6 285	349 493
1984	9 415	783 685	1961	8 655	3 769 165
1983	8 930	1 194 175	1960	7 346	644 873
1982	8 941	1 697 591	1959	4 874	279 591
1981	10 145	5 413 365	1958	6 814	1 995 671
1980	8 973	4 822 167	1957	5 728	365 574
1979	9 793	2 700 785	1956	4 639	853 450
1978	7 928	289 417	1955	6 348	651 395
1977	8 888	1 483 194	1954	3 064	564 917
1976	10 161	1 813 825	1953	6 551	1 452 007
1975	10 995	1 032 034	1952	4 946	462 978
1974	8 035	848 674	1951	4 658	626 465
1973	7 503	1 184 283	1950	5 436	1 201 863
1972	8 153	780 037	1949	7 082	1 104 287
1971	9 125	1 695 013	1948	5 448	1 337 882
1970	9 253	1 058 843	1947	5 065	265 936
1969	6 633	943 496	1946**	5 977	1 007 886

*Estimate provided by the Canadian Interagency Forest Fire Centre (October 17, 1991).
**Exclusive of Newfoundland.

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*Estimation donnée par le Centre interservice des feux de forêt du Canada (le 17 octobre 1991).
**Sauf la Terre-Neuve.

(b) Yearly Forest Fire Losses 1945-1918/
Pertes annuelles dues aux incendies de forêt - 1945 à 1918
(Exclusive of the Yukon and Northwest Territories and Newfoundland)/
(Sauf le Yukon, les Territoires du Nord-Ouest et la Terre-Neuve)

Year	Total number of fires	Total area burned (hectares)	Year	Total number of firest	Total area burned (hectares)
1945	4 761	300 098	1931	6 965	847 410
1944	5 820	972 519	1930	6 805	1 080 625
1943	3 370	335 023	1929	6 712	2 439 754
1942	4 791	744 029	1928	4 243	544 737
1941	5 951	1 721 048	1927	3 605	190 969
1940	6 284	1 089 102	1926	5 690	738 179
1939	5 613	451 313	1925	5 490	744 419
1938	6 647	1 264 998	1924	5 624	803 243
1937	5 949	1 728 648	1923	6 189	2 507 852
1936	5 946	1 224 965	1922	8 199	1 344 980
1935	4 955	346 497	1921	6 073	867 048
1934	5 911	596 980	1920	5 258	691 376
1933	6 298	408 163	1919	5 223	3 071 539
1932	6 298	997 150	1918	4 143	227 746